BAL

YAMAHA

HOME THEATER SOUND SYSTEM

AVX-S30

(AVC-S30 + NX-S30 + NX-SW30)

CinemaStation

OWNER'S MANUAL

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2 Install this sound system in a well ventilated, cool, dry, clean place with at least 10 cm on the top, 10 cm on the left and right, and 10 cm at the back of AVC-S30, and 20 cm on the top, 20 cm on the left and right, and 20 cm at the back of NX-SW30 — away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold.

3 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

4 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

5 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
 – Other components, as they may cause damage and/or discoloration on the surface of this unit.
 – Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
 – Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

6 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

7 Do not plug in this unit to a wall outlet until all connections are complete.

8 Do not operate this unit upside-down. It may overheat, possibly causing damage.

9 Do not use force on switches, knobs and/or cords.

10 When disconnecting the power cable from the wall outlet, grasp the plug; do not pull the cable.

11 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

12 Only voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. YAMAHA will not be held responsible for any damage resulting from use of this unit with a voltage other than specified.

13 Do not attempt to modify or fix this unit. Contact qualified YAMAHA service personnel when any service is needed. The cabinet should never be opened for any reasons.

14 When not planning to use this unit for long periods of time (i.e. vacation), disconnect the AC power plug from the wall outlet.

15 Be sure to read the "Troubleshooting" section on common operating errors before concluding that this unit is faulty.

16 Before moving this unit, press STANDBY/ON to set this unit in standby mode, and disconnect the AC power plug from the wall outlet.

17 Condensation will form when the surrounding temperature changes suddenly. Disconnect the power cable from the outlet, then leave the unit alone.

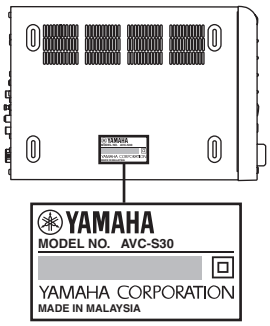
18 When using the unit for a long time, the unit may become warm. Turn the power off, then leave the unit alone for cooling.

19 Install this unit near the AC outlet and where the AC power plug can be reached easily.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

The name plate is located on the bottom of the unit.

(Bottom of AVC-S30)



Name plate

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

■ For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

■ Special Instructions for U.K. Model

IMPORTANT
THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL
Brown: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Making sure that neither core is connected to the earth terminal of the three pin plug.

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■ Introduction

The Yamaha Home Theater Sound System "AVX-S30" consists of the AV amplifier (AVC-S30), satellite speakers (NX-S30) and subwoofer (NX-SW30). This product provides you with the best sound possible with simple operations, allowing you to enjoy various audio sources. We hope the "AVX-S30" brings you great listening pleasure and satisfaction.

■ About this manual

- This manual provides information relevant only to the YAMAHA Home Theater Sound System "AVX-S30". For information on the DVD player "DVD-S30", refer to the "DVD-S30 OWNER'S MANUAL". For information on other AV components, refer to the manual for that product.
- In this manual, operations that can be performed using either the front panel buttons or remote control are explained using the remote control.
- ☼ indicates a tip for your operation. Notes contain important information about safety and operating instructions.
- This manual is printed prior to production. Design and specifications are subject to change in part as a result of improvements, etc. In case of differences between the manual and the product, the product has priority.

PREPARATION

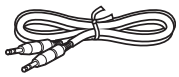
Supplied Parts

This product consists of the following parts. Before connecting speakers or a TV to this product, make sure you received all of the following parts. (The remote control is supplied with the DVD-S30.)

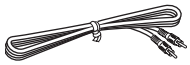
AV amplifier (AVC-S30) x 1
Satellite speaker (NX-S30) x 2
Subwoofer (NX-SW30) x 1

Accessories

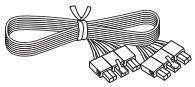
System control cable (5 m) x 1



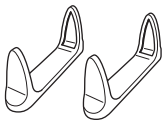
Subwoofer cable (1-pin, 5 m) x 1



Speaker cable (for satellite, 5 m) x 2



Amplifier stand x 2



Non-skid pad (large) x 1 set (4 pieces)



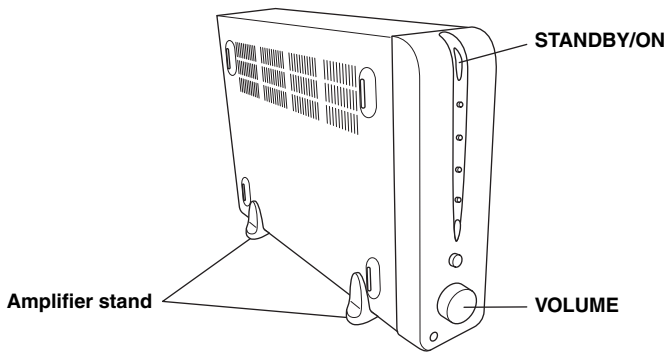
Non-skid pad (small) x 2 sets (8 pieces)



Owner's Manual (this manual)

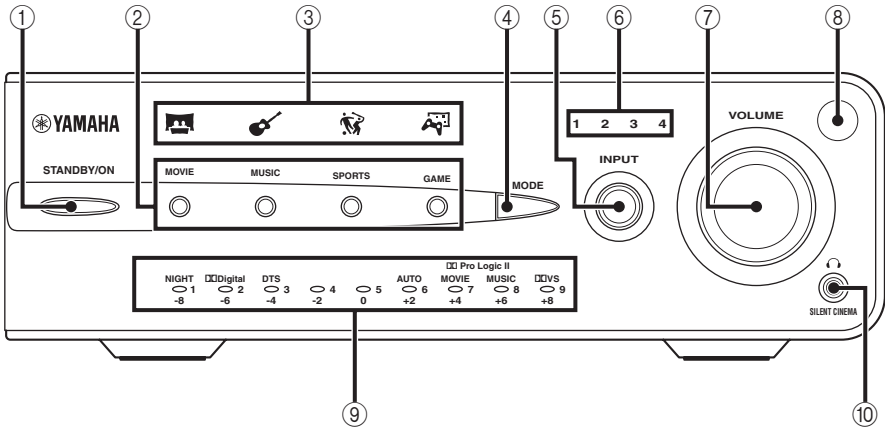


You can place the amplifier vertically (STANDBY/ON becomes the top and VOLUME becomes the bottom as the diagram below) using the supplied amplifier stands.



Controls and Functions

■ Front panel



① STANDBY/ON

Turn this unit on or set it to the standby mode.

☼

While the unit is in the standby mode, the unit consumes a small amount of power.

② CINEMA DSP buttons

Select CINEMA DSP programs. (page 13)

③ CINEMA DSP indicator

Lights up the icon for the CINEMA DSP program currently selected. (page 13)

④ MODE

Switches the Dolby Pro Logic II modes. (page 13)

⑤ INPUT

Selects an input source.

⑥ Input indicator

Lights up the input number currently selected.

⑦ VOLUME

Adjusts the overall volume level.

⑧ Remote control sensor

Receives signals from the remote control.

⑨ Status indicator

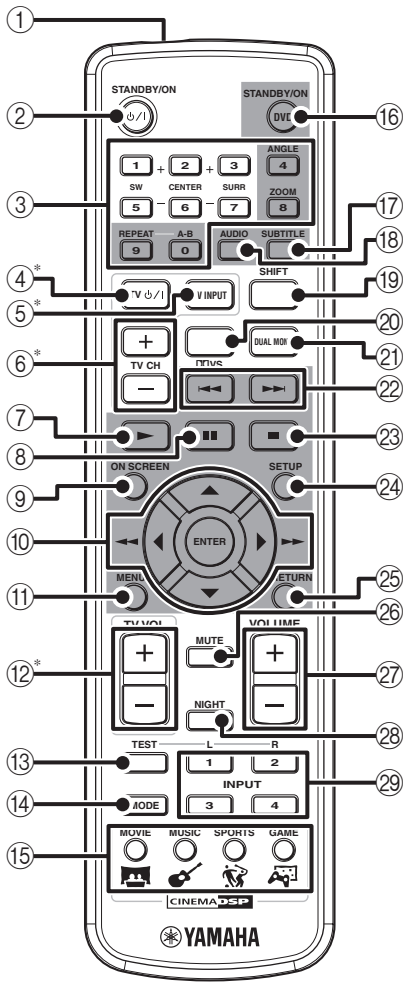
Shows the input signal type (page 18) or Dolby Pro Logic II mode (page 13) currently selected. Also, you can check the volume level (page 18) when adjusting it.

⑩ SILENT CINEMA jack

Connects the headphones. (page 14)

■ Remote control

You can control both the AV amplifier (AVC-S30) and DVD player (DVD-S30) with the supplied remote control. Read the following for the function of each button. (The buttons shaded in the illustration below are used to control the DVD-S30. For details on DVD-S30 operations, refer to the "DVD-S30 OWNER'S MANUAL".)



* To control your TV with these buttons, you need to set the appropriate remote control code. For details, refer to "DVD-S30 OWNER'S MANUAL".

① Infrared signal transmitter

Sends signals to the units.

② STANDBY/ON (⏻/I)

Turns the AVC-S30 on, or set it to the standby mode.

This unit consumes a small amount of power during the standby mode.

③ Number buttons (1 to 9, 0)

Input numerals to specify parameters such as track or chapter numbers while operating the DVD-S30.

④ TV ⏻/I*

Turns the TV on, or set it to the standby mode.

⑤ TV INPUT*

Switches the TV inputs.

⑥ TV CH +/–*

Switches the TV channels.

⑦ ► (Play)

Starts disc playback on the DVD-S30.

⑧ ▮▮ (Pause)

Pauses disc playback on the DVD-S30.

⑨ ON SCREEN

Displays the On-Screen Menu on the TV screen while operating the DVD-S30.

⑩ ▲, ▼, ◄, ►, ENTER

Operates the On-Screen Menu or specify various parameters while operating the DVD-S30.
Press ▲ to slow reverse and press ▼ to slow forward on the DVD-S30.

◄◄, ►► (Search)

Fast forwards/fast reverses playback on the DVD-S30 with a specific speed.

⑪ MENU

Displays the DVD menu on the TV screen while playing back a DVD on the DVD-S30.
Turns on/off the Playback Control menu on the TV screen while playing back a VCD on the DVD-S30.

⑫ TV VOLUME +/–*

Adjusts the TV volume level.

⑬ TEST

Outputs a test tone. (page 15)

⑭ MODE

Switches between the Dolby Pro Logic II modes. (page 13)

⑮ CINEMA DSP buttons

Selects a CINEMA DSP program. (page 13)

⑯ STANDBY/ON (DVD)

Turns the DVD-S30 on, or set it to the standby mode.

⑰ SUBTITLE
Selects the subtitle language of the DVD video while operating the DVD-S30.

⑱ AUDIO
Selects the audio language of the DVD video or the audio channel setting of the VCD and SVCD while operating the DVD-S30.

⑲ SHIFT
While holding down SHIFT, press a button below to enable the corresponding operation.

SW +/–: Adjusts the subwoofer channel volume. (page 16)

CENTER +/–: Adjusts the center speaker channel volume. (page 16)

SURR +/–: Adjusts the surround speaker channel volume. (page 16)

ANGLE: Selects the disc viewing angle while operating the DVD-S30.

ZOOM: Selects the zoom setting of the DVD while operating the DVD-S30.

REPEAT: Enables the Repeat Play mode on the DVD-S30.

A–B: Enables the A-B Repeat mode on the DVD-S30.

⑳ DVS (Dolby Virtual Speaker)
Turns on/off the DVS mode. (page 13)

㉑ DUAL MONO
This button is not used for U.K., Australia, and Asia models.

㉒ ⏮, ⏭ (Skip)
Skips to the start of current track or next track while operating the DVD-S30.
Press and hold ⏮ to fast reverse or ⏭ to fast forward disc playback on the DVD-S30.

㉓ ■ (Stop)
Stops disc playback on the DVD-S30.

㉔ SETUP
Displays or closes the Setup menu on the TV while operating the DVD-S30.

㉕ RETURN
Returns the DVD menu to the previous screen while operating the DVD-S30.

㉖ MUTE
Turns off the volume.

㉗ VOLUME +/–
Adjusts the overall volume level.

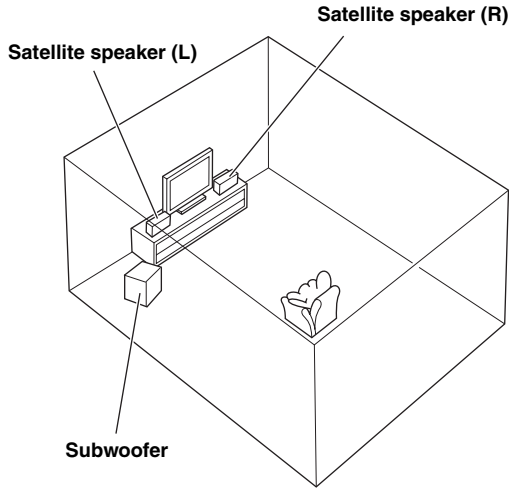
㉘ NIGHT
Turns on/off the Night Listening mode. (page 14)

㉙ INPUT buttons
Select an input source.

L/R buttons
While a test tone is output, press L to set the orientation of the virtual surround speaker (L), and press R to set the orientation of the virtual surround speaker (R). (page 16, 17)

Placing the Speakers

To enjoy quality sounds thoroughly, you need to place the speakers in their appropriate positions and install them correctly. After deciding the speaker layout, follow the procedure below to install the speakers.



Satellite speakers (L, R) (NX-S30)

Place the left/right speakers on both sides of your TV at equal distances. We recommend that you place the speakers at the height of your ears at the listening position, and keep the speakers at least 80 cm (2' 6") apart while they are placed 80 cm (2' 6") away from the side walls.
Main roles: Produces front channel (stereo) sounds. Also produces center channel sounds (dialogues or vocal sounds) and surround channel sounds effectively using the Yamaha Air Surround system.

Subwoofer (NX-SW30)

Place the subwoofer near a front speaker and turn it slightly toward the center of the room to reduce wall reflections.
Main roles: Produces bass sounds and low frequency (LFE) sounds contained in Dolby Digital or DTS.

Notes

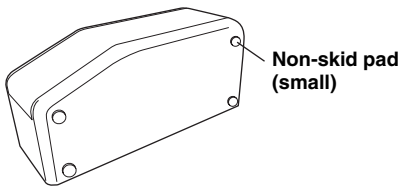
- Be sure to place the satellite speaker (L) on the left of the TV and the satellite speaker (R) on the left of the TV since the speakers are not symmetrical. Check the (L) and (R) marks printed on the back of each speaker to identify them.
- To create better acoustic field, you need to place the satellite speakers properly and adjust the orientation of the virtual surround speakers suited for your listening environment. Also, the arrangement of furniture affects the acoustic field. For details, refer to "Adjusting the Orientation of the Virtual Surround Speakers" (page 16).
- If the speakers interfere with TV reception, noises may appear on the TV screen. In such a case, move the speakers a little away from the TV.
- Bass sounds produced by the subwoofer may be heard differently depending on the listening position and subwoofer location. To enjoy desired sounds, try to change the location of the subwoofer according to the listening position.

■ Placing the Satellite Speakers

You can place the satellite speakers on a rack, or attach them to a wall. Please select an installation method that suits your room layout.

You can attach the satellite speaker to a commercially available speaker bracket or speaker stand using the screw holes on the bottom of the speakers. In this case, be sure to use 6M (diameter of 6 mm) screws.

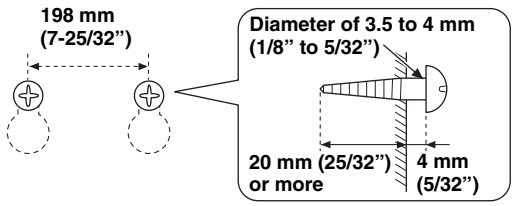
To place on a rack



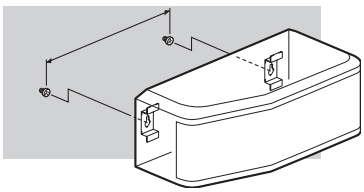
Attach the non-skid pads (small) to the bottom of each speaker, and then place them on level hard surfaces.

Using non-skid pads prevents the speakers from sliding when they vibrate, and ensures quality sound production.

To attach to a wall



198 mm (7-25/32")



You can attach the speakers to a wall using commercially available screws (Diameter: 3.5 to 4 mm (1/8" to 5/32"), Length: 24 mm (15/16") or more). One speaker requires two screws.

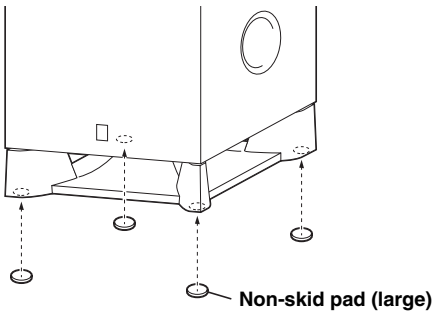
1 Install two screws in the wall where you want to place the speaker.

2 Hang the speaker on the screws using the holes in the back of the speaker.

Notes

- One speaker weighs about 1.4 kg (3 lbs 3 oz). To attach a speaker to a wall using screws, the wall must be firm. Do not attach a speaker to a wall that is made of weak materials such as plaster or veneered woods. Doing so may cause the speaker to fall.
- Make sure you use specified screws to attach a speaker to a wall. Using clamps other than specified screws, such as short screws, nails, or two-sided tape, may cause the speaker to fall.
- When connecting the speakers, fix the speaker cables in place so that cables do not loosen. If your foot or hand accidentally gets caught on a loose speaker cable, the speaker may fall.
- After attaching each speaker, check that the speaker is fixed securely. YAMAHA will bear no responsibility for any accidents caused by improper installations.

■ Placing the subwoofer



Attach the non-skid pads (large) to the bottom of the subwoofer, and then place the subwoofer on a level hard floor.

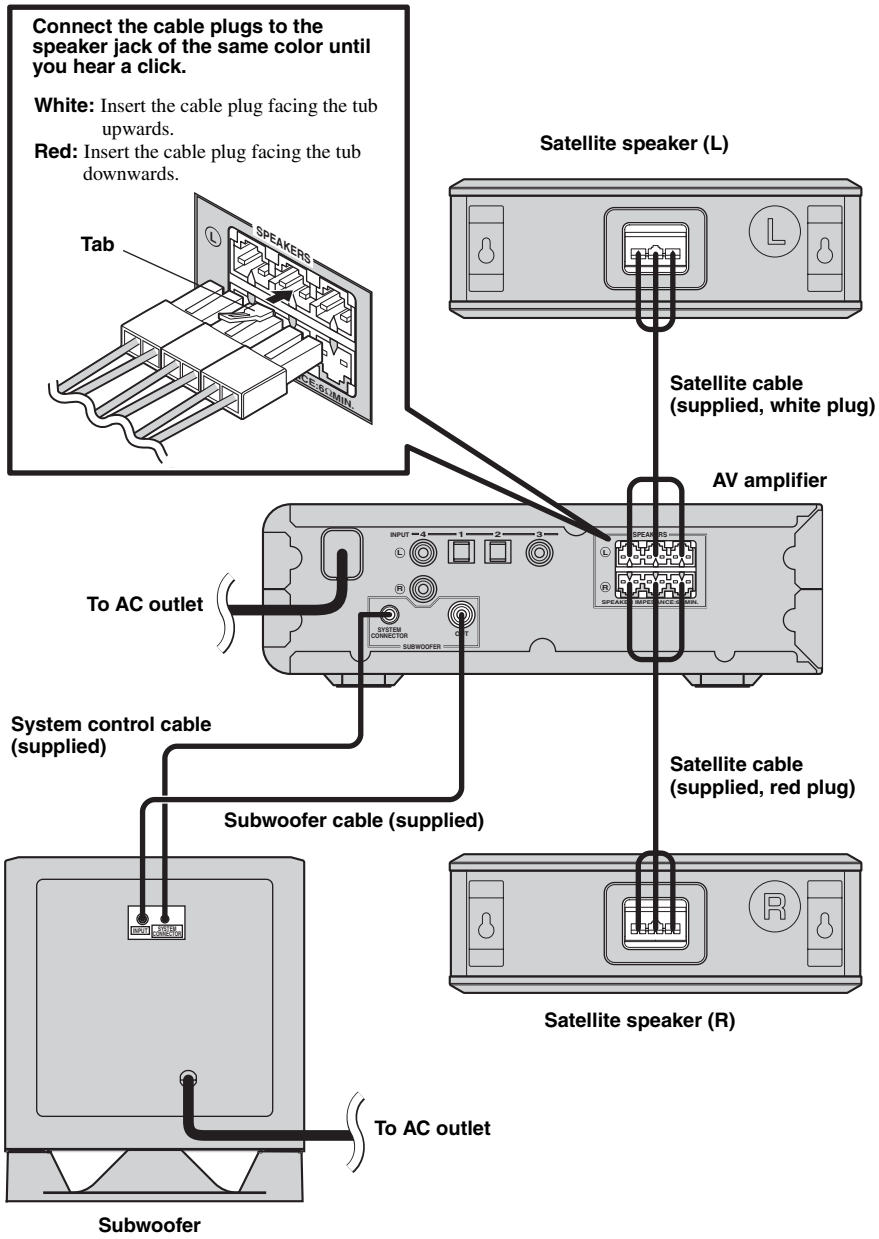
Using non-skid pads prevents the subwoofer from sliding when it vibrates, and ensures quality sound production.

Connecting the Speakers

Follow the procedure below to connect the satellite speakers (NX-S30) and subwoofer (NX-SW30) to the AV amplifier (AVC-S30).

Notes

- Do not connect the power cables of the AV amplifier and subwoofer until all cable connections are completed.
- Do not use excessive force when inserting the cable plug. Doing so may damage the cable plug or speaker jack.



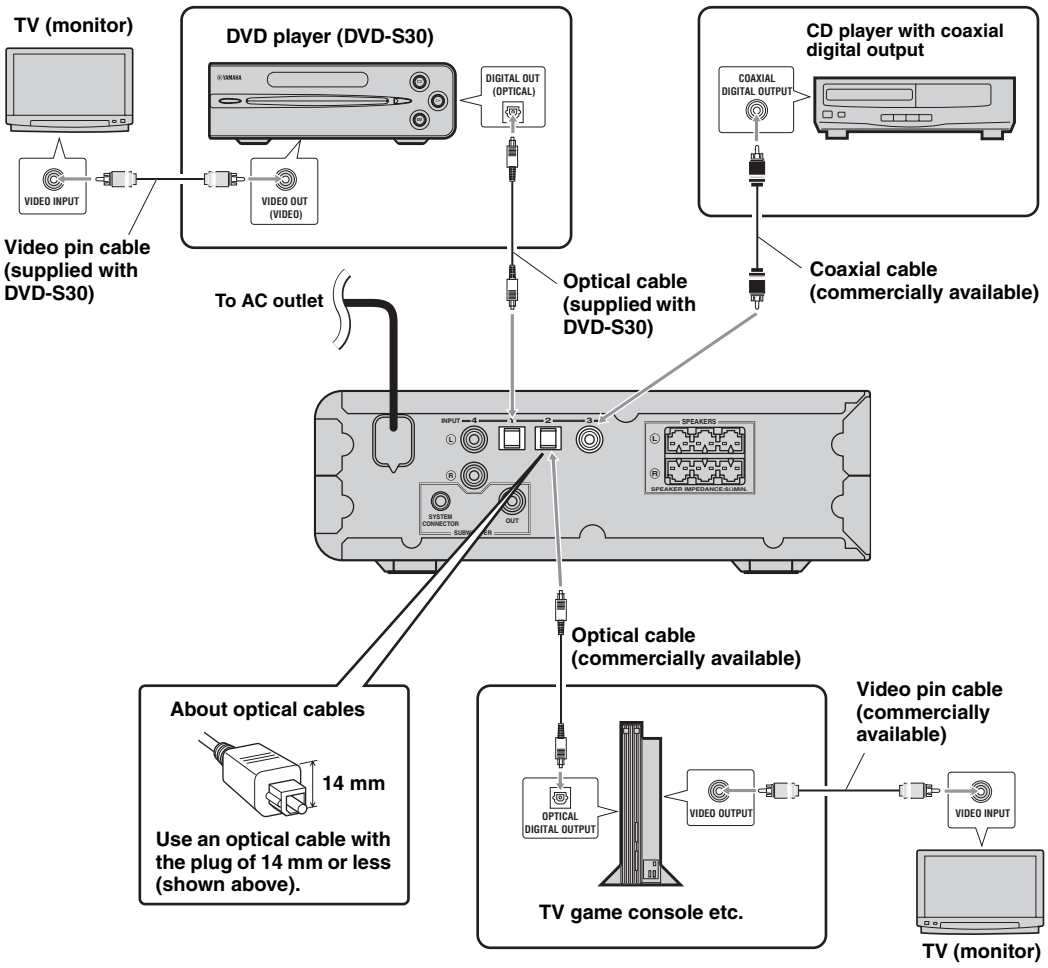
Connecting External Components

The AV amplifier "AVC-S30" has four input jacks (optical digital x 2, coaxial digital x 1, analog x 1). Before connecting your external components to the AV amplifier, check the output jacks of the components and be sure to use correct connection cables.

■ Digital connection

Notes

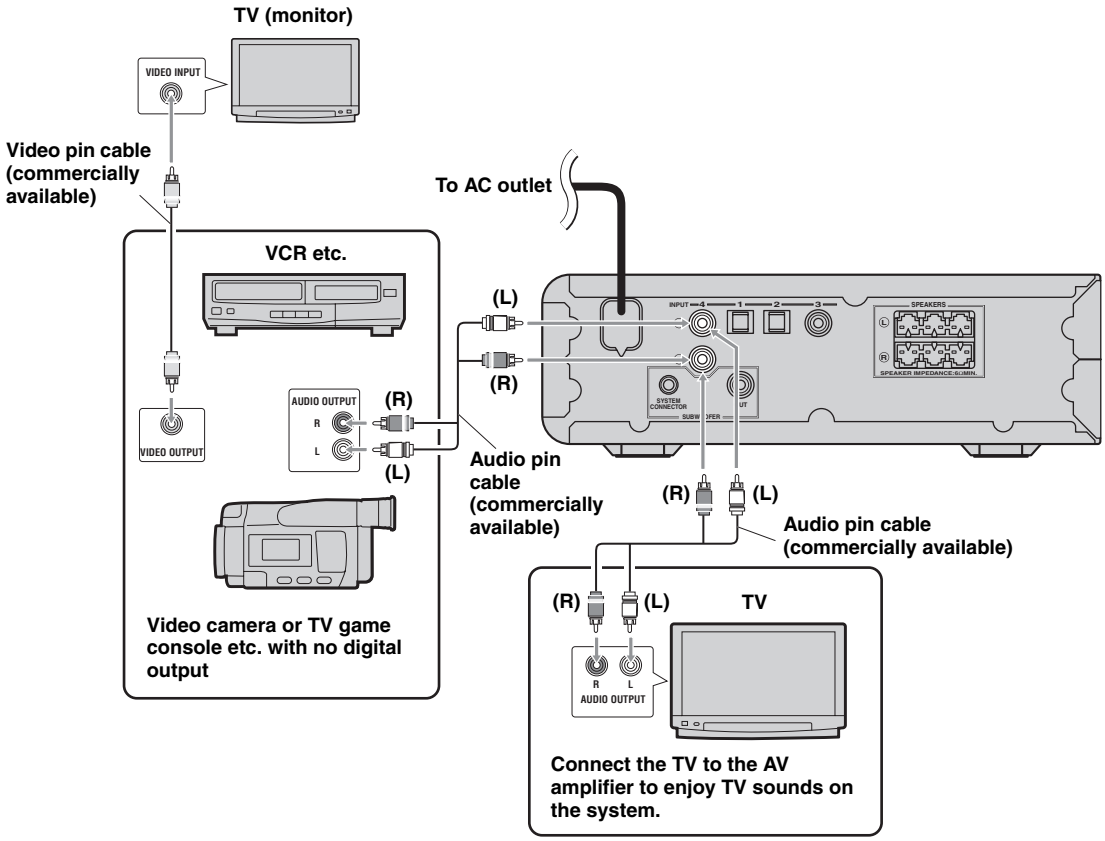
- Do not connect the power cables of the AV amplifier and external components until all cable connections are completed.
- The digital terminals of this unit support PCM, Dolby Digital, DTS signal system.
- The digital terminals support digital signals of which sampling frequency is 96 kHz or less.



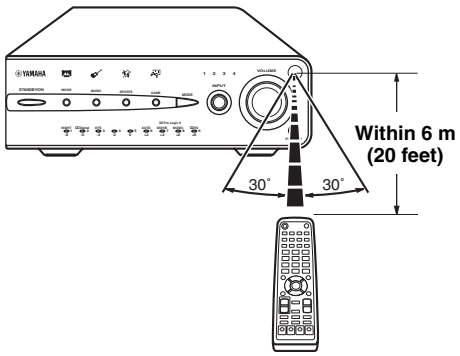
■ Analog connection

Note

Do not connect the power cables of the AV amplifier and external components until all cable connections are completed.



Using the Remote Control



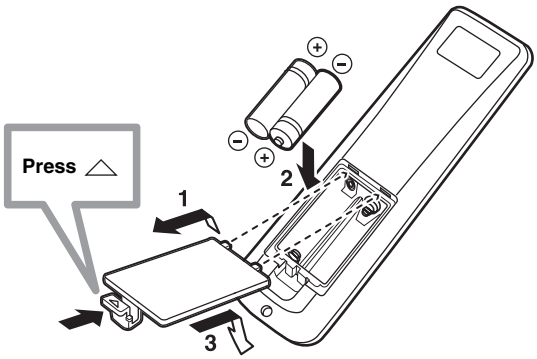
Use the remote control within 6 m (20 feet) of the AV amplifier and point it toward the remote control sensor.

Notes

- Be careful not to spill liquid on the remote control.
- Be careful not to drop the remote control.
- Do not leave the remote control in the following places:
 – hot or humid places, such as near a heater or in a bathroom
 – extremely cold places
 – dusty places

■ Replacing the batteries

If the batteries grow old, the effective operation distance of the remote control decreases considerably. If this happens, replace the batteries with two new ones as soon as possible.



1 Press the △ mark on the battery cover and slide off the cover.

2 Insert the two new batteries (AA, R06, UM-3) into the battery compartment.
Make sure you insert the batteries according to the polarity markings (+ and –).

3 Close the battery cover.

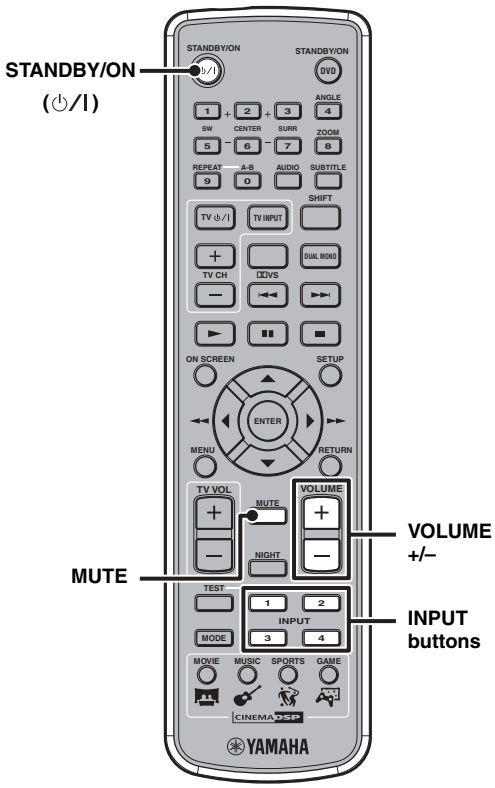
Notes

- Do not use an old battery together with new one.
- Do not use different types of batteries (for example, alkaline and manganese) together. Each type of battery has its own characteristics even if they are similar in shape.
- If the batteries run out, immediately remove them from the remote control to prevent an explosion or acid leak.
- Dispose of the batteries according to the regional regulations.
- If a battery starts leaking, dispose of it immediately. Be careful not to let leaking battery acid come into contact with your skin or clothing. Before inserting new batteries, wipe the compartment clean.
- Replace the batteries within two minutes to preserve the memory in the remote control.

OPERATION

Basic Operation

Once you have finished all cable connections (pages 8-10) and remote control preparation (page 11), follow the procedure below to start from basic playback operation.



1 Press STANDBY/ON (⏻/I).

This unit turns on and the indicators on the front panel light up.

This unit has the auto-sleep function which automatically switches to the standby mode if you do not operate the unit for about 24 hours while the unit is turned on.

2 Press one of the INPUT buttons (1 to 4) to select an input source.

For example, if the DVD-S30 is connected to the INPUT (1) jack on the rear panel of this unit, press INPUT (1) to select the DVD-S30.

3 Start playback on the selected external component.

For information on the external component, refer to the manual for that product.

4 Press VOLUME +/– to adjust the volume level.

To turn off the volume temporarily, press MUTE. While the mute function is on, the Input indicators (other than one currently selected) blink. To disable the mute function, press MUTE once again.

Now, please try various features of this unit!

To enjoy high realistic sensational sounds with a DSP program

→ "Enjoying realistic sounds (CINEMA DSP)" (page 13)

To enjoy stereo sounds such as CD audio with virtual multi channels

→ "Enjoying stereo sounds with multi speaker channels (Dolby Pro Logic II)" (page 13)

To enjoy virtual surround sounds with the DVS function

→ "Using the DVS function (Dolby Virtual Speaker)" (page 13)

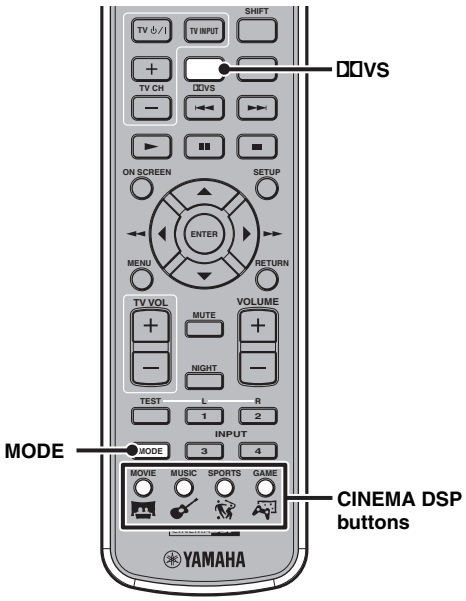
To configure the orientation of virtual surround speakers

→ "Adjusting the Orientation of the Virtual Surround Speakers" (page 16)

Enjoying Sounds with Specific Speaker Channels

The sound program features allow you to enjoy various kinds of audio such as movie or music. Please choose a program based on your listening preference, and not purely on the name of the program.

This unit automatically memorizes the settings assigned to each input (1 to 4). If you select another input, the unit automatically recalls the last settings for the selected input.



■ Enjoying realistic sounds (CINEMA DSP)

The CINEMA DSP programs reproduce realistic sounds with the multi speaker channels.

Press one of the CINEMA DSP buttons.

The icon for the selected CINEMA DSP program lights up.
The characteristics of each CINEMA DSP program are as follows.

Movie

Produces the rich acoustical presence of a movie theater.

Music

Magnifies the feeling of listening to live rock or jazz in a concert hall.

Sports program

In a live stereo sports broadcast, announcer voices are central, engulfed in the cheers and emotional whirl of the stadium.

Game program

Gives TV games extra depth and surround.

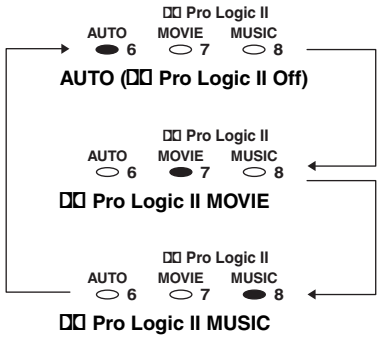
To reproduce the original sounds, press the CINEMA DSP button currently selected or MODE.

■ Enjoying stereo sounds with multi speaker channels (Dolby Pro Logic II)

The Dolby Pro Logic II modes reproduce 5.1-channel audio from the stereo sounds.

Press MODE repeatedly to select the desired Dolby Pro Logic mode.

Each time you press the button, the mode changes as follows.



■ Using the DVS function (Dolby Virtual Speaker)

The Dolby Virtual Speaker (DVS) function reproduces 5.1-channel-like realistic sensational sounds with the front and subwoofer channels only.

Press DVS.

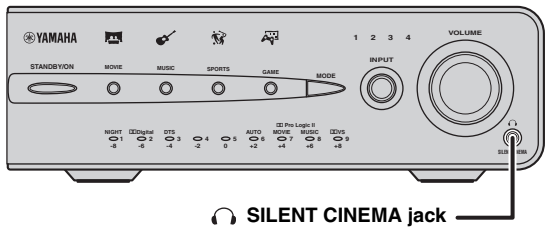
The Status indicator (VS) lights up.
To disable the DVS function, press VS once again.

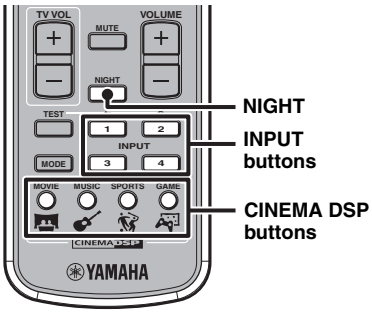


- Activating the DVS function automatically cancels the CINEMA DSP program currently selected. Also, you cannot select a CINEMA DSP program while the DVS function is activated. To select a CINEMA DSP program, press VS to disable the DVS function.
- Activating the DVS function while a stereo signal is input automatically selects the Dolby Pro Logic II Movie mode.
- When a Mono or Dual Mono signal is input, the DVS function is not available.
- When headphones are connected to the SILENT CINEMA jack on the unit, the DVS function is not available.

Enjoying Sounds in a Variety of Ways

You can enjoy the presence of sound effects even when you use headphones or reduce the volume level.





■ Listening with headphones ("SILENT CINEMA")

"SILENT CINEMA" allows you to enjoy multi-speaker simulation sounds with headphones.

* "SILENT CINEMA" is a registered trademark of YAMAHA CORPORATION.

1 Connect the headphones to the ∩ SILENT CINEMA jack on the unit.

2 Press the INPUT button for the desired input source, then start playback on the external component.

3 As needed, press the CINEMA DSP button for the desired CINEMA DSP program.

- Low frequency sounds (LFE signals) are mixed with other channel audio.
- If you do not select a CINEMA DSP program when a stereo signal is input, the headphone produces normal stereo sound.
- When headphones are connected to the ∩ SILENT CINEMA jack, the speakers do not output any sounds.
- When headphones are connected to the ∩ SILENT CINEMA jack on the unit, the DVS function is not available.

■ Listening at low volume (Night Listening)

The Night Listening function tones down large sound effect and clears speech or vocal sounds.

1 Press NIGHT.

The Status indicator (NIGHT) lights up.



2 Press the INPUT button for the desired input source, then start playback on the external component.

To disable the Night Listening function, press NIGHT once again.

- If you activate a CINEMA DSP program or the DVS function with the Night Listening function, you can enjoy realistic sensational sounds at low volume.
- When headphones are connected to the ∩ SILENT CINEMA jack on the unit, the Night Listening functions is not available.

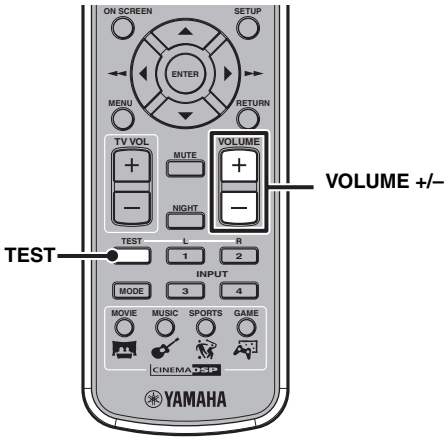
CONFIGURATIONS

Adjusting the Speaker Balance

The initial speaker settings are suitable for most conditions. However, depending on room conditions or listening position, you may need to adjust the speaker balance manually. In this case, adjust the speaker balance using test tones at first.

- When headphones are connected to the SILENT CINEMA jack on the unit, the adjustment is not available.
- Adjust the speaker balance at your listening position with the remote control.

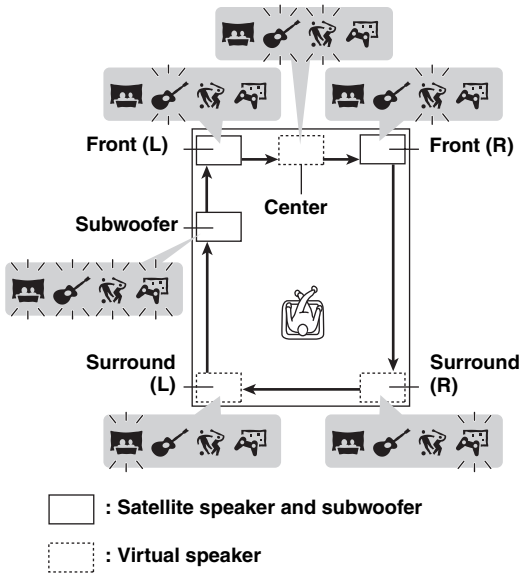
■ Adjusting the speaker balance with test tones



1 Press TEST.

The CINEMA DSP indicators blink and each speaker outputs the test tone for about 2.5 seconds in order.

2 While a test tone is output from the speaker channel you want to adjust, press VOLUME +/– to adjust the volume level of the currently selected speaker channel.

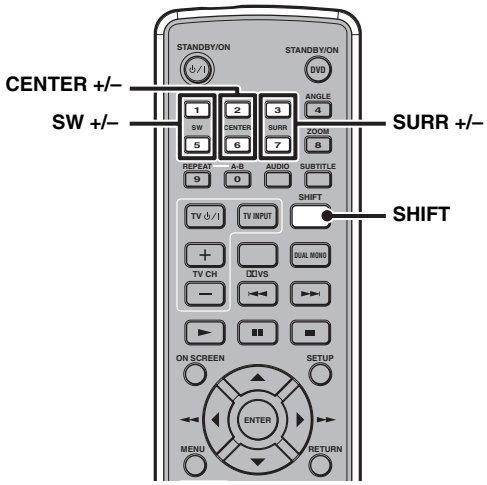


3 To confirm the adjustment, press TEST.

- You can check the volume level in detail with the Status indicator (page 18).
- While adjusting the volume level of a speaker, other speakers do not output test tones.
- The adjustable range for the volume level of each speaker channel is as follows.
 - Front (L, R): –6 (Min) to ±0 dB (Max)
 - Center: –4 (Min) to + 4 dB (Max)
 - Surround (L, R): –4 (Min) to +4 dB (Max)
 - Subwoofer: –8 (Min) to +8 dB (Max)
- You cannot adjust the volume level of the center speaker channel and surround speaker channels while the DVS function is activated.
- To reset the volume level of all speaker channels to the factory settings, press INPUT on the front panel while a test tone is output. (This procedure also resets the orientations of the virtual surround speakers.)

■ Adjusting the speaker balance during playback

If you feel the speaker balance is not proper during playback, follow the procedure below.



During playback, carry out the following operation for your purpose.

To adjust the volume level of the center speaker channel:

While holding down SHIFT, press CENTER +/–.

To adjust the volume level of the surround speaker channels:

While holding down SHIFT, press SURR +/–.

To adjust the volume level of the subwoofer channel:

While holding down SHIFT, press SW +/–.

- We recommend that you first adjust the speaker balance with test tones (page 15).
- You can check the volume level in detail with the Status indicator (page 18).
- The adjustable range for the volume level of each speaker channel is as follows.
 - Center: –4 (Min) to + 4 dB (Max)
 - Surround: –4 (Min) to +4 dB (Max)
 - Subwoofer: –8 (Min) to +8 dB (Max)
- You cannot adjust the left and right surround speakers individually with this procedure. To adjust them individually, carry out the "Adjusting the speaker balance with test tones" procedure (page 15).

Adjusting the Orientation of the Virtual Surround Speakers

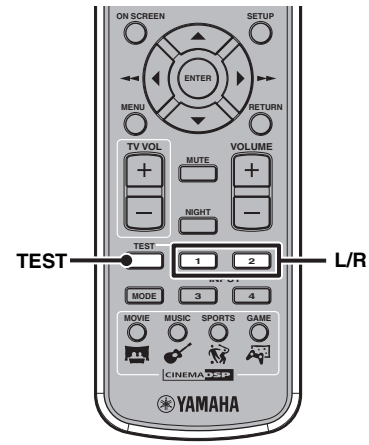
This unit employs the Yamaha Air Surround system that enables the surround sound field using six speaker units built in two satellite speakers. To create better acoustic field, please adjust the orientation of the virtual surround speakers suited for your listening environment. You can select from five presets for each satellite speaker (L and R).

Note

To create better acoustic field, you may need to change the arrangement of the satellite speakers or furniture. For example, the Air Surround system does not work well (or does not work at all) in the following situations.

- The satellite speakers are placed inside the rack.
- The satellite speakers are not placed perpendicular to the side walls.
- There is an obstacle at the front (or diagonally in front) of satellite speakers.
- A piece of furniture is placed at the reflection points (A, B).
- There are no reflection faces (walls or windows).

- You cannot adjust the orientation of the virtual surround speakers while the DVS function is activated. To adjust it, press DVS to disable the DVS function.
- When headphones are connected to the SILENT CINEMA jack on the unit, the adjustment is not available.



1 Press TEST.

Each speaker outputs the test tone for about 2.5 seconds in order.

2 Press L once to check the current orientation of the virtual left surround speaker, or press R once to check the current orientation of the virtual right surround speaker.

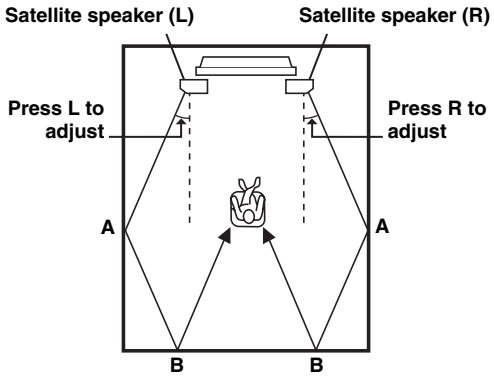
The Status indicator blinks to show the current orientation for about 2.5 seconds. By the factory setting, "40°" is selected for each speaker.

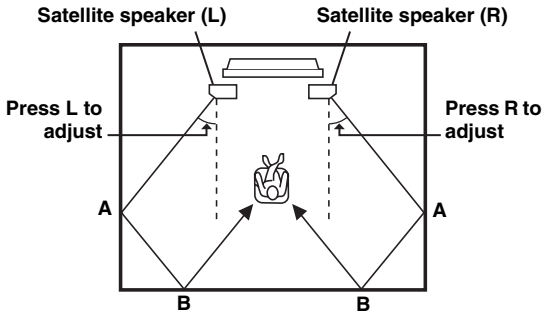
3 While the Status indicator is blinking, press L repeatedly to select an orientation of the virtual left surround speaker, or press R repeatedly to select an orientation of the virtual right surround speaker.

Each time you press the button, the orientation changes as follows.

20°
(Five status indicators from the right or left light up)
↓
30°
(Four status indicators from the right or left light up)
↓
40°
(Three status indicators from the right or left light up)
↓
50°
(Two status indicators from the right or left light up)
↓
60°
(Rightmost or leftmost status indicator lights up)
→ **20°**

Adjust the angle so that the first reflection point (A) is located posterior to the listening position and surround speaker channel audio reaches the listening position after reflections as shown below. For information on the recommended listening environment and virtual surround speaker settings, refer to "Recommended Virtual Surround Speaker Settings" (page 20).





4 To confirm the adjustment, press TEST.

To reset the orientations to the factory settings, press INPUT on the front panel while a test tone is output. (This procedure also resets the speaker balance.)

ADDITIONAL INFORMATION

Status Indicator

You can check the volume level or audio input signal types on the Status indicator.

■ Volume level

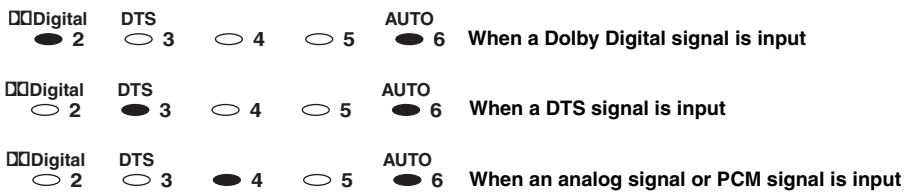
Volume level of each speaker channel (difference based on the system volume, unit: dB)

Status indicator (green)	1 -8	1 -8 2 -6	2 -6	2 -6 3 -4	3 -4	3 -4 4 -2	4 -2	4 -2 5 0	5 0
Front (L, R)	–6	–5	–4	–3	–2	–1.5	–1	–0.5	±0
Center, Surround (L, R)	–4	–3.5	–3	–2.5	–2	–1.5	–1	–0.5	±0
Subwoofer	–8	–7	–6	–5	–4	–3	–2	–1	±0

Status indicator (green)	5 0 6 +2	6 +2	6 +2 7 +4	7 +4	7 +4 8 +6	8 +6	8 +6 9 +8	9 +8
Front (L, R)	–	–	–	–	–	–	–	–
Center, Surround (L, R)	+0.5	+1	+1.5	+2	+2.5	+3	+3.5	+4
Subwoofer	+1	+2	+3	+4	+5	+6	+7	+8

■ Input signal

This unit automatically handles input signals. You cannot switch the signal type manually. For details on each signal type, refer to “Glossary” (page 21).



The status indicator “AUTO” turns off when one of the CINEMA DSP programs or Dolby Pro Logic modes is selected.

Troubleshooting

If there is any problem with this unit, check the following items. If you cannot solve your problem with the following remedies or if your problem is not listed below, turn off and unplug this unit, then consult the nearest authorized YAMAHA dealer or service center.

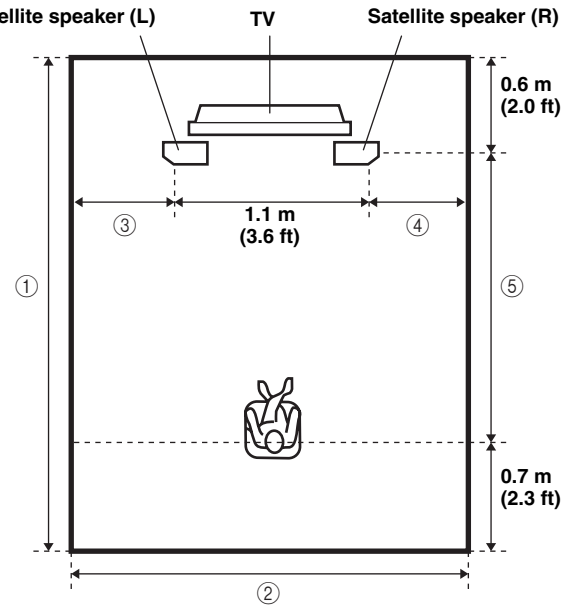
Problem	Cause	Solution
Power turns on but immediately shuts off	The power cable may be connected improperly.	Make sure the power cable is plugged into the outlet firmly.
	The speaker cable may be shorted.	Make sure all speaker cables are connected properly.
	This unit may receive a strong electrical shock such as from a lightening bolt or excessive static electricity.	Set this unit to the Standby mode, then disconnect the power cable. Wait for about 30 seconds, then connect the power cable and turn on this unit.
The speakers make no sound	The volume may be set to minimum level.	Adjust the volume level. (page 12)
	The Mute function may be enabled.	Cancel the Mute function. (page 12)
	The input source or input setting may be incorrect.	Select the correct input source or input setting. (page 12)
	The cables may be connected improperly.	Make sure all cables are connected properly. (pages 8-10)
Sound is too low on one side	The cables may be connected improperly.	Make sure all cables are connected properly. (pages 8-10)
Speaker channels other than the front ones make no sound	You may be listening to stereo sounds without the sound field effect.	Press CINEMA DSP to enable the sound field effect. (page 13)
	You may be listening to an audio source (Dolby Digital or DTS) that does not contain any special effect signal.	Select another sound field program. (page 13)
The center speaker channel makes no sound	The volume of the center speaker channel may be set to minimum level.	Adjust the volume level of the center speaker channel using test tones. (page 15)
	You may be listening to a Dolby Digital or DTS audio source.	Dolby Digital and DTS audio sources do not contain a center speaker signal.
The surround speaker channels make no sound	The volume of the surround speaker channels may be set to minimum level.	Adjust the volume level of the surround speaker channels using test tones. (page 15)
The subwoofer makes no sound	The volume of the subwoofer may be set to minimum level.	Adjust the volume level of the subwoofer. (page 15)
	The subwoofer cable or system control cable may be connected improperly.	Make sure all cables are connected properly. (page 8)
	You may be listening to an audio source that does not contain any low tone signal.	The subwoofer does not support signals outside the specified range.
Sound is poor (noisy)	The speaker cable may be shorted.	Make sure all cables are connected properly. (pages 8-10)
This unit does not operate properly	This unit may receive a strong electrical shock, such as from a lightening bolt or excessive static electricity, or drop in power supply.	Set this unit to the Standby mode, then disconnect the power cable. Wait for about 30 seconds, then connect the power cable and turn on this unit.
A digital or high-frequency equipment produces noises	This unit may be placed close to the digital equipment or high-frequency equipment.	Place this unit further away from such equipment.
The remote control does not work for operating this unit	This unit may be operated outside the remote control operation range.	For information on the remote control operation range, refer to “Using the Remote Control” (page 11).
	The remote control sensor on this unit may be exposed to direct sunlight or lighting.	Change the lighting or this unit’s orientation.
	The batteries may be worn out.	Replace the batteries. (page 11)

Recommended Virtual Surround Speaker Settings

If you cannot adjust the orientation of the virtual surround speakers well (page 16), use the following information for reference.

Note

To create better acoustic field, you may need to change the arrangement of the satellite speakers or furniture.



Room size: (Length ① × Width ②)	Distance of satellite speakers and side walls: ③ and ④	Distance of satellite speakers and listening position: ⑤	Recommended setting
2.7 m × 2.7 m (8.8 ft × 8.8 ft)	0.8 m (2.6 ft)	1.4 m (4.6 ft)	30°
3.6 m × 2.7 m (11.8 ft × 8.8 ft)	0.8 m (2.6 ft)	1.4 m (4.6 ft)	30°
	0.8 m (2.6 ft)	2.2 m (7.2 ft)	20°
2.7 m × 3.6 m (8.8 ft × 11.8 ft)	0.8 m (2.6 ft)	1.4 m (4.6 ft)	30°
	1.2 m (3.9 ft)	1.4 m (4.6 ft)	40°
	1.6 m (5.2 ft)	1.3 m (4.3 ft)	50°
3.6 m × 3.6 m (11.8 ft × 11.8 ft)	0.8 m (2.6 ft)	2.2 m (7.2 ft)	20°
	1.2 m (3.9 ft)	2.1 m (6.9 ft)	30°
	1.6 m (5.2 ft)	1.9 m (6.2 ft)	40°
3.6 m × 4.5 m (11.8 ft × 14.8 ft)	0.8 m (2.6 ft)	2.2 m (7.2 ft)	20°
	1.2 m (3.9 ft)	2.1 m (6.9 ft)	30°
	1.6 m (5.2 ft)	1.9 m (6.2 ft)	40°
4.5 m × 3.6 m (14.8 ft × 11.8 ft)	0.8 m (2.6 ft)	2.2 m (7.2 ft)	20°
	1.2 m (3.9 ft)	2.1 m (6.9 ft)	30°
	1.6 m (5.2 ft)	1.9 m (6.2 ft)	40°
	2.0 m (6.6 ft)	1.7 m (5.6 ft)	50°

Glossary

■ Air Surround

Front surround sound system which is developed by Yamaha enables the surround sound field using six speaker units built in two satellite speakers. In comparison with traditional front surround technologies, the Air Surround system enables a wide range of natural surround sound field.

■ Channel (ch)

A channel is an audio type that has been divided based on range and other characteristics.
Ex. 5.1 channel

- Front speakers, Left (1ch), Right (1ch)
- Center speaker (1 ch)
- Surround speakers, Left (1ch), Right (1ch)
- Subwoofer (1 ch x 0.1* = 0.1 ch)

* In contrast to a full 1-channel band, a component designed to enhance low frequency sound for added effect.

■ CINEMA DSP (Digital Sound Field Processor)

Since the Dolby Surround and DTS systems were originally designed for use in movie theaters, their effect is best felt in a theater having many speakers and designed for acoustic effects. Since home conditions, such as room size, wall material, number of speakers, and so on, can differ so widely, it's inevitable that there are differences in the sound heard as well. Based on a wealth of actually measured data, YAMAHA CINEMA DSP uses YAMAHA original sound field technology to combine Dolby Pro Logic, Dolby Digital and DTS systems to provide the visual and audio experience of movie theater in the listening room of your own home.

■ Dolby Digital

Digital surround sound system which is developed by Dolby Laboratories provides completely independent multi-channel audio. With 3 front channels (left, center, and right) and 2 surround stereo channels, Dolby Digital provides five full-range audio channels. With an additional channel especially for bass effects (called LFE, or low frequency effect), the system has a total of 5.1-channels (LFE is counted as 0.1 channel). By using 2-channel stereo for the surround speakers, more accurate moving sound effects and surround sound environment are possible than with Dolby Surround.

■ Dolby Pro Logic II

It is an improved matrix decoding technology that provides better spatiality and directionality on Dolby Surround programmed material; provides a convincing three-dimensional sound field on conventional stereo music recordings; and is ideally suited to bring the surround experience to automotive sound. While conventional surround programming is fully compatible with Dolby Surround Pro Logic II decoders, soundtracks will be able to be encoded specifically to take full advantage of Pro Logic II playback, including separate left and right surround channels. (Such material is also compatible with conventional Pro Logic decoders).

■ DTS (Digital Theater System)

Digital surround sound system developed by Digital Theater Systems, Inc., which provides 5.1 channel audio. With an abundance of audio data, it is able to provide authentic-sounding effects.

■ DVS (Dolby Virtual Speaker)

Front surround sound system which is developed by Dolby Laboratories provides 5.1-channel audio.

■ PCM (Pulse Code Modulation)

A signal that is changed to digital format without compression. A CD is recorded with 16-bit sound at 44.1 kHz, while DVD recording is anywhere from 16 bits at 48 kHz to 24 bits at 192 kHz, which makes it a higher quality sound than CD. This signal also has a type called Packed PCM (PPCM) that can be compressed without any loss of data.

■ Sampling frequency

The number of sampling (process for digitalizing analog signals) per second. In principle, the higher the sampling rate, the wider the frequency range that can be played back, and the higher the quantized bit rate, the finer the sound that can be reproduced.

■ "SILENT CINEMA"

"SILENT CINEMA" was developed by YAMAHA as a natural, realistic sound effect DSP algorithm for headphones. Parameters for headphones have been set for each sound field so that accurate representations of all the sound field programs can be enjoyed on headphones.

Specifications

Amplifier

- Model name AVC-S30
- Min RMS output power 30 W × 6 (1 kHz, 6 Ω , 1% THD)
- Max power
 Front L/R 35 W × 6 (6 Ω , 10% THD)
- Input sensitivity (analog) 200 mV
- Phones output/impedance 125 mV/8 Ω (1 kHz, 200 mV)
- Power supply
 Australia model AC 240 V, 50 Hz
 Taiwan model AC 110-120 V, 60 Hz
 Korea model AC 220 V, 60 Hz
 U.K. and Asia models AC 230 V, 50 Hz
- Power consumption
 Taiwan model 44 W
 Other models 35 W
- Standby power consumption 0.4 W or less
- Dimensions (W × H × D) 215 × 70 × 305 mm
 (Approx. 8 15/32" × 2 3/4 × 12")
- Weight 2.6 kg
 (Approx. 5 lbs 12 oz)

Satellite speaker

- Model name NX-S30
- Type Full range acoustic suspension magnetic shielding type
- Driver 5 cm (2") cone magnetic shielding type × 3
- Input impedance 6 Ω
- Dimensions (W × H × D) 240 × 80 × 105 mm
 (Approx. 9 1/2" × 3 3/16" × 4 5/32")
- Weight 1.4 kg
 (Approx. 3 lbs 3 oz)

Subwoofer

- Model name NX-SW30
- Type Advanced YAMAHA Active Servo Technology System
- Driver 16 cm (6 1/2") cone magnetic shielding type
- Input impedance 12 kΩ
- Output power 50 W (100 Hz, 5Ω, 10% THD)
- Power supply
 U.K. model AC 230 V, 50 Hz
 Australia model AC 240 V, 50 Hz
 Korea model AC 220 V, 60 Hz
 Taiwan model AC 110-120 V, 50/60 Hz
 Asia model AC 220-240 V, 50/60 Hz
- Power consumption 40 W
- Dimensions (W × H × D) 280 x 325 x 289 mm
 (Approx. 11 1/32" × 12 13/16" × 11 3/8")
- Weight 8.2 kg
 (Approx. 17 lbs 10 oz)

SILENT ™
CINEMA

"SILENT CINEMA" is a trademark of YAMAHA CORPORATION.

AIR SURROUND

The AV amplifier (AVC-S30) employs Yamaha Air Surround system which enables the surround sound field using six speaker units built in two satellite speakers.

Advanced Y·S·T

The subwoofer (NX-SW30) employs Advanced Yamaha Active Servo Technology which YAMAHA has developed for reproducing higher quality super-bass sound.

QD·Bass TECHNOLOGY

QD-Bass Technology QD-Bass (Quatre Dispersion Bass) technology uses square, pyramid-shaped reflective plates to radiate the sound in four horizontal directions.

DOLBY DIGITAL PRO LOGIC II DOLBY VIRTUAL SPEAKER

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DIGITAL dts SURROUND

"DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

YAMAHA

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BAVL

YAMAHA

DVD PLAYER

DVD-S30

CinemaStation

OWNER'S MANUAL

CAUTION: READ THIS BEFORE OPERATING YOUR UNIT.

1 To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.

2 Install this sound system in a well ventilated, cool, dry, clean place with at least 10 cm on the top, 10 cm on the left and right, and 10 cm at the back of DVD-S30 — away from direct sunlight, heat sources, vibration, dust, moisture, and/or cold.

3 Locate this unit away from other electrical appliances, motors, or transformers to avoid humming sounds.

4 Do not expose this unit to sudden temperature changes from cold to hot, and do not locate this unit in an environment with high humidity (i.e. a room with a humidifier) to prevent condensation inside this unit, which may cause an electrical shock, fire, damage to this unit, and/or personal injury.

5 Avoid installing this unit where foreign object may fall onto this unit and/or this unit may be exposed to liquid dripping or splashing. On the top of this unit, do not place:
 – Other components, as they may cause damage and/or discoloration on the surface of this unit.
 – Burning objects (i.e. candles), as they may cause fire, damage to this unit, and/or personal injury.
 – Containers with liquid in them, as they may fall and liquid may cause electrical shock to the user and/or damage to this unit.

6 Do not cover this unit with a newspaper, tablecloth, curtain, etc. in order not to obstruct heat radiation. If the temperature inside this unit rises, it may cause fire, damage to this unit, and/or personal injury.

7 Do not plug in this unit to a wall outlet until all connections are complete.

8 Do not operate this unit upside-down. It may overheat, possibly causing damage.

9 Do not use force on switches, knobs and/or cords.

10 When disconnecting the power cable from the wall outlet, grasp the plug; do not pull the cable.

11 Do not clean this unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

12 Only voltage specified on this unit must be used. Using this unit with a higher voltage than specified is dangerous and may cause fire, damage to this unit, and/or personal injury. YAMAHA will not be held responsible for any damage resulting from use of this unit with a voltage other than specified.

13 Do not attempt to modify or fix this unit. Contact qualified YAMAHA service personnel when any service is needed. The cabinet should never be opened for any reasons.

14 When not planning to use this unit for long periods of time (i.e. vacation), disconnect the AC power plug from the wall outlet.

15 Be sure to read the "Troubleshooting" section on common operating errors before concluding that this unit is faulty.

16 Before moving this unit, press STANDBY/ON to set this unit in standby mode, and disconnect the AC power plug from the wall outlet.

17 Condensation will form when the surrounding temperature changes suddenly. Disconnect the power cable from the outlet, then leave the unit alone.

18 When using the unit for a long time, the unit may become warm. Turn the power off, then leave the unit alone for cooling.

19 Install this unit near the AC outlet and where the AC power plug can be reached easily.

This unit is not disconnected from the AC power source as long as it is connected to the wall outlet, even if this unit itself is turned off. This state is called the standby mode. In this state, this unit is designed to consume a very small quantity of power.

DANGER
When this unit is plugged to the wall outlet, do not place your eyes close to the opening of the disc tray and other openings to look into inside.

The laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

WARNING
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

■ For U.K. customers

If the socket outlets in the home are not suitable for the plug supplied with this appliance, it should be cut off and an appropriate 3 pin plug fitted. For details, refer to the instructions described below.

Note

The plug severed from the mains lead must be destroyed, as a plug with bared flexible cord is hazardous if engaged in a live socket outlet.

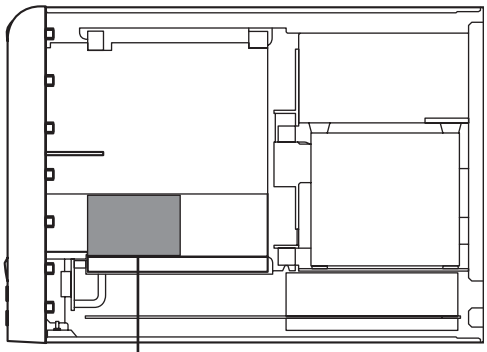
■ Special Instructions for U.K. Model

IMPORTANT
THE WIRES IN MAINS LEAD ARE COLOURED IN ACCORDANCE WITH THE FOLLOWING CODE:

Blue: NEUTRAL
Brown: LIVE

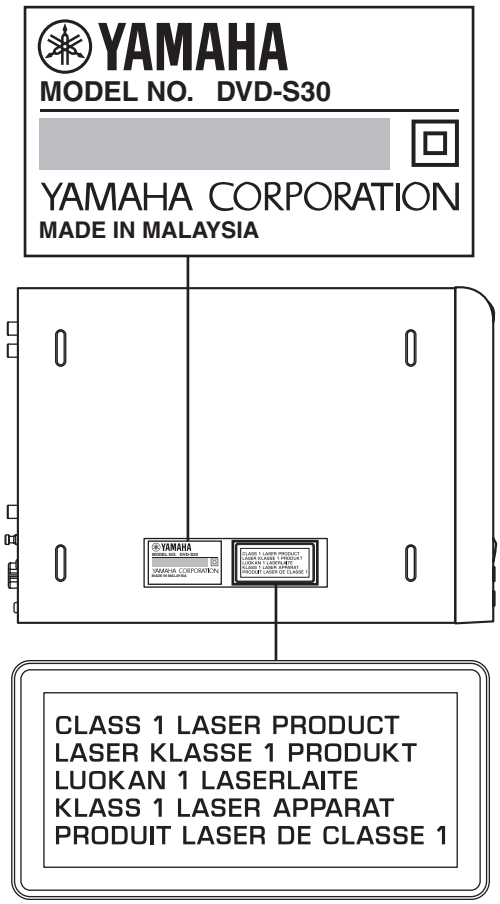
As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows: The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.
Making sure that neither core is connected to the earth terminal of the three pin plug.

CAUTION
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION -	VISIBLE AND / OR INVISIBLE LASER RADIATION WHEN OPEN. AVOID EXPOSURE TO BEAM.
VARNING -	SYNLIG OCH / ELLER OSYNLIG LASERSTRÅNING NÄR DENNA DEL ÄR Ö PPNAD. STRÅLEN ÄR FARLIG.
VARO !	AVATTAESSA OLET ALTTINA NÄKYVÄLLE JA / TAI NÄKYMÄTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING -	SYNLIG OCH / ELLER OSYNLIG LASERSTRÅLNING NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRALEN.
VORSICHT !	SICHTBARE UND / ODER UNSICHTBARE LASERSTRAHLUNG WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

- The name plate is located on the bottom of the unit.



NOTES ON DISCS

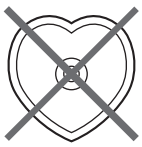
About region codes

The region code (an ID number assigned to each market region) is set for normal DVD players and DVD video discs. The DVD-S30 supports the discs with the region codes shown below. For details, read the information on the disc jacket.

Destination	Region code of the DVD player	Playable discs
U.K. Europe	2	2, ALL
Australia	4	4, ALL
Korea Taiwan Asia	3	3, ALL

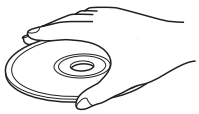
Notes about discs

- This unit is designed for use with DVD video, Video CD, Super video CD, Audio CD, CD-R, CD-RW, DVD+RW, DVD+R, DVD-R, DVD-RW and DVD-RW (VR format).
- The DVD player cannot play a CD-R, CD-RW, DVD-R, DVD-RW, DVD+R or DVD+RW disc that has not been finalized. Finalizing is a process that prepares a disc for playback on a compatible device.
- This unit is not compatible with 8-cm discs.
- Only use discs from a reputable manufacturer. Some discs cannot be played back, depending on recording conditions and disc characteristics.
- Do not use discs with non-standard shapes or sizes.

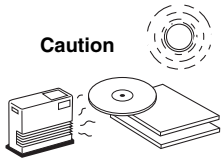


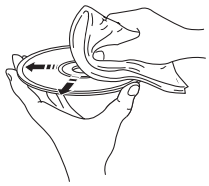
- Some DVD video or video CD discs may operate and function differently than noted in this manual. That is by manufacturer design and not a defect in this unit. For details read the information on the disc jacket.
- Some discs cannot be played depending on the recording conditions such as PC environment and application software. Failure can also result from disc characteristics and condition, like material quality, scratches or curvature.

Handling of discs



- Do not touch the surface of the disc. Hold a disc by its edge and center hole.
- Do not leave a disc in the unit when you are not playing it.
- Do not write on the disc with a pencil or other marker.
- Do not stick tape, seals or other attachments to a disc, and do not bring into contact with glue.
- Do not use an adaptor or protective cover to prevent scratches.
- Do not use a disc whose surface can be printed with a commercially available label printer.
- Do not put a disc in a place with direct sunlight, high temperature, high humidity or a lot of dust.





- If a disc becomes dirty, wipe it with a clean, dry cloth from the center out to the edge. Do not use record cleaner or paint thinner.
- Do not use a commercially available lens cleaner.

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■ About this manual

- This manual provides information relevant only to the YAMAHA DVD player “DVD-S30”.
- In this manual, operations that can be performed using either the front panel buttons or remote control are explained using the remote control.
- ☼ indicates a tip for your operation. Notes contain important information about safety and operating instructions.
- This manual is printed prior to production. Design and specifications are subject to change in part as a result of improvements, etc. In case of differences between the manual and the product, the product has priority.

PREPARATION

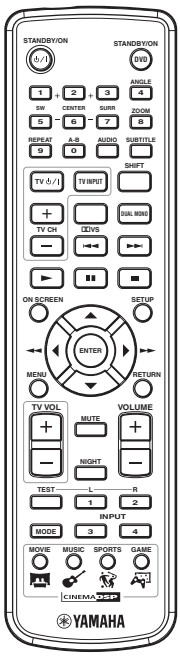
Supplied Parts

This product consists of the following parts. Before connecting an amplifier or a TV to this product, make sure you received all of the following parts.

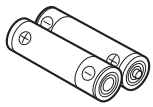
DVD player (DVD-S30) x 1

Accessories

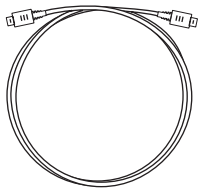
Remote control



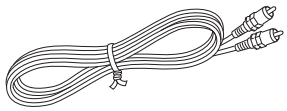
Battery x 2 (AA, R06, UM-3)



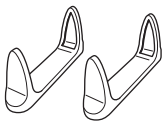
Optical cable (60 cm) x 1



Video pin cable (1 m) x 1



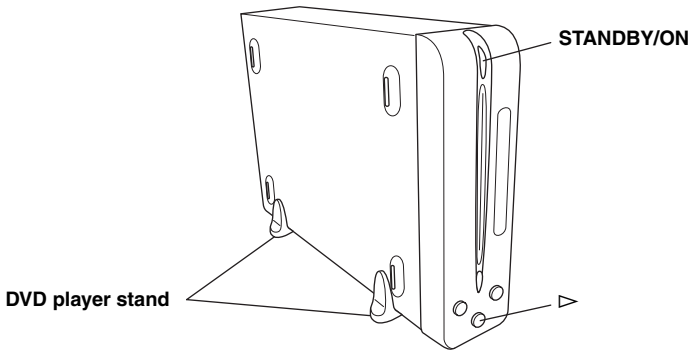
DVD player stand x 2



Owner's Manual (this manual)

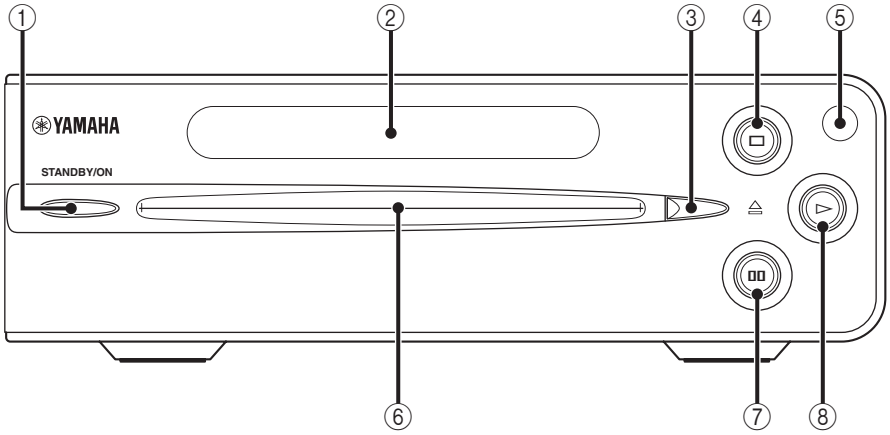


You can place the DVD player vertically (STANDBY/ON becomes the top and ▷ becomes the bottom as the diagram below) using the supplied DVD player stands.



Controls and Functions

■ Front panel



① STANDBY/ON

Turn this unit on or set it to the standby mode.

When the unit is in the standby mode, the unit consumes a small amount of power.

② Front panel display

Displays playback information or settings.

③ ⏏ (Eject)

Ejects a disc in the unit.

Note

Do not push the ejected disc when reloading it. To reload the ejected disc, press ⏏ or ▷, or remove the disc from the disc loading slot fully, then insert it to the disc loading slot once again.

④ □ (Stop)

Stops disc playback. (page 11)

⑤ Remote control sensor

Receives signals from the remote control.

⑥ Disc loading slot

Insert a disc to be played.

Note

Place the disc with the data side facing down. If the DVD player is placed vertically, place the disc with the data side facing left.

⑦ ⏸ (Pause)

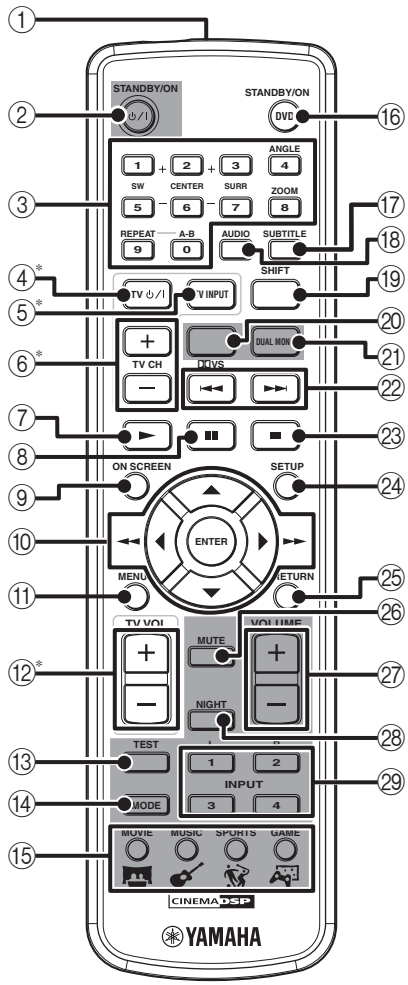
Pauses disc playback. (page 11)

⑧ ▷ (Play)

Starts disc playback. (page 11)

■ Remote control

Read the following for the function of each button. The buttons shaded in the illustration below are used to control the YAMAHA AV amplifier "AVC-S30" (included if you purchase DVX-S30). For details on AVC-S30 operations, refer to the "AVX-S30 OWNER'S MANUAL".



* To control your TV with these buttons, you need to set the appropriate remote control code. (page 29)

① **Infrared signal transmitter**
Sends signals to the units.

② **STANDBY/ON (⏻/I)**
Turns the AVC-S30 on, or set it to the standby mode.

③ **Number buttons (1 to 9, 0)**
Input numerals to specify parameters such as track or chapter numbers.

④ **TV ⏻/I** *
Turns the TV on, or set it to the standby mode.

⑤ **TV INPUT***
Switches the TV inputs.

⑥ **TV CH +/–***
Switches the TV channels.

⑦ **► (Play)**
Starts disc playback. (page 11)

⑧ **▮▮ (Pause)**
Pauses disc playback. (page 11)

⑨ **ON SCREEN**
Displays the On-Screen Menu on the TV. (page 20)

⑩ **▲, ▼, ◀, ▶, ENTER**
Operates the On-Screen Menu or specify various parameters.
Press ▲ to slow reverse and press ▼ to slow forward. (page 11)

◀◀, ▶▶ (Search)
Fast forwards/fast reverses disc playback with a specific speed. (page 11)

⑪ **MENU**
Displays the DVD menu on the TV. (page 16) While playing back a VCD, press this button to display or close the Playback Control menu. (page 16)

⑫ **TV VOLUME +/–***
Adjusts the TV volume level.

⑬ **TEST**
Outputs a test tone on the AVC-S30.

⑭ **MODE**
Switches between Dolby Pro Logic II modes on the AVC-S30.

⑮ **CINEMA DSP buttons**
Selects a CINEMA DSP program on the AVC-S30.

⑯ **STANDBY/ON (DVD)**
Turns the DVD-S30 on, or set it to the standby mode.

☼
When the unit is in the standby mode, the unit consumes a small amount of power.

⑰ **SUBTITLE**
Selects the subtitle language of the DVD video. (page 15)

⑱ **AUDIO**

Selects the audio language of the DVD video or the audio channel setting of the video CD and super video CD. (page 15)

⑲ **SHIFT**

While holding down SHIFT, press a button below to enable the corresponding operation.

SW +/–: Adjusts the subwoofer channel volume on the AVC-S30.

CENTER +/–: Adjusts the center speaker channel volume on the AVC-S30.

SURR +/–: Adjusts the surround speaker channel volume on the AVC-S30.

ANGLE: Selects the disc viewing angle. (page 16)

ZOOM: Selects the zoom setting. (page 15)

REPEAT: Enables the Repeat Play mode. (page 12)

A–B: Enables the A-B Repeat mode. (page 12)

⑳ **DVS (Dolby Virtual Speaker)**

Turns on/off the DVS mode on the AVC-S30.

㉑ **DUAL MONO**

(Taiwan model only)

Switches audio outputs (main audio and sub audio) on the AVC-S30 when multiple audio signals are input into the AVC-S30.

㉒ **|◄◄, ►►| (Skip)**

Skips to the start of current track or next track. (page 11)
Press and hold |◄◄ to fast reverse or ►►| to fast forward disc playback. (page 11)

㉓ **■ (Stop)**

Stops disc playback. (page 11)

㉔ **SETUP**

Displays the Setup menu on the TV.

㉕ **RETURN**

Returns the disc menu to the previous screen. (page 16)

㉖ **MUTE**

Turns off the volume on the AVC-S30.

㉗ **VOLUME +/–**

Adjusts the overall volume level volume on the AVC-S30.

㉘ **NIGHT**

Turns on/off the Night Listening mode volume on the AVC-S30.

㉙ **INPUT buttons**

Select an input source volume on the AVC-S30.

L/R buttons

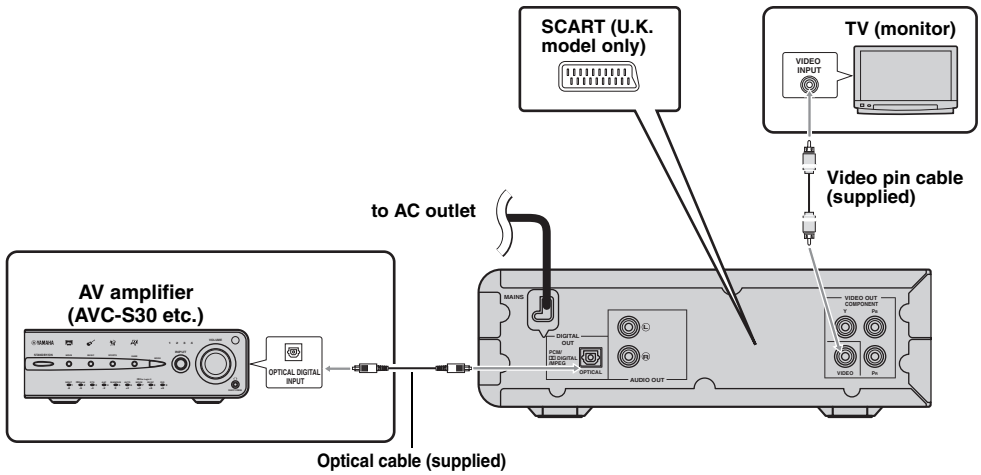
While a test tone is output volume on the AVC-S30, press L to set the orientation of the virtual surround speaker (L), and press R to set the orientation of the virtual surround speaker (R).

Connections

This section explains how to connect the DVD-S30 to your TV or external AV amplifier (AVC-S30 etc.). For connections related to external AV amplifier, refer to the manual for it.

Note

Connect the power cord of the DVD player or external components after connection of all cables are complete.



Other video connections (to enjoy high quality pictures)

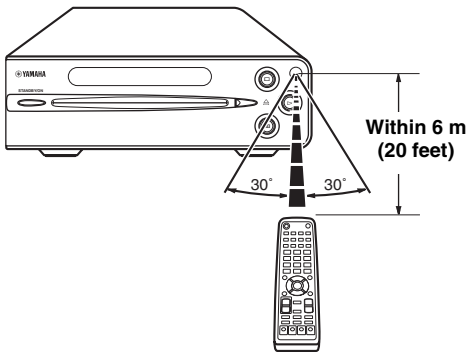
- To make component video connection instead of video connection using the supplied video pin cable, connect COMPONENT (Y, PB, PR) jacks of the DVD-S30 and component video input jacks of the TV using a commercially available component video cable.
- To make SCART connection (U.K model only) instead of video connection using the supplied video pin cable, connect SCART jack of the DVD-S30 and SCART input jack of the TV using a commercially available SCART cable.

COMPONENT jacks can output a progressive scan signal. To enjoy high quality DVD video with progressive scan mode, set "PROGRESSIVE" in the Setup menu to "ON" (page 23).

Other audio connection

To make analog audio connection instead of digital connection using the optical cable, connect AUDIO OUT (L, R) jacks of the DVD-S30 and audio input jacks of the AV amplifier using a commercially available audio pin cable.

Using the Remote Control



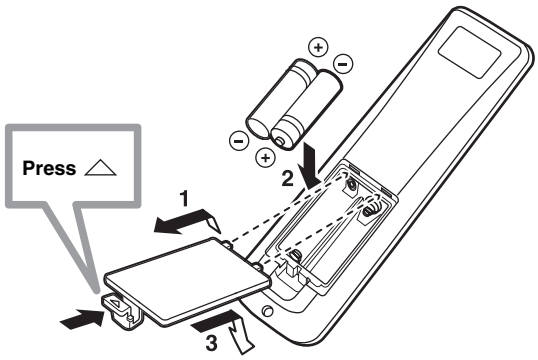
Use the remote control within 6 m (20 feet) of the DVD player and point it toward the remote control sensor.

Notes

- Be careful not to spill liquid on the remote control.
- Be careful not to drop the remote control.
- Do not leave the remote control in the following places:
 – hot or humid places, such as near a heater or in a bathroom
 – extremely cold places
 – dusty places

■ Replacing the batteries

If the batteries grow old, the effective operation distance of the remote control decreases considerably. If this happens, replace the batteries with two new ones as soon as possible.



1 Press the △ mark on the battery cover and slide off the cover.

2 Insert two new batteries (AA, R06, UM-3) into the battery compartment.

Make sure you insert the batteries according to the polarity markings (+ and –).

3 Close the battery cover.

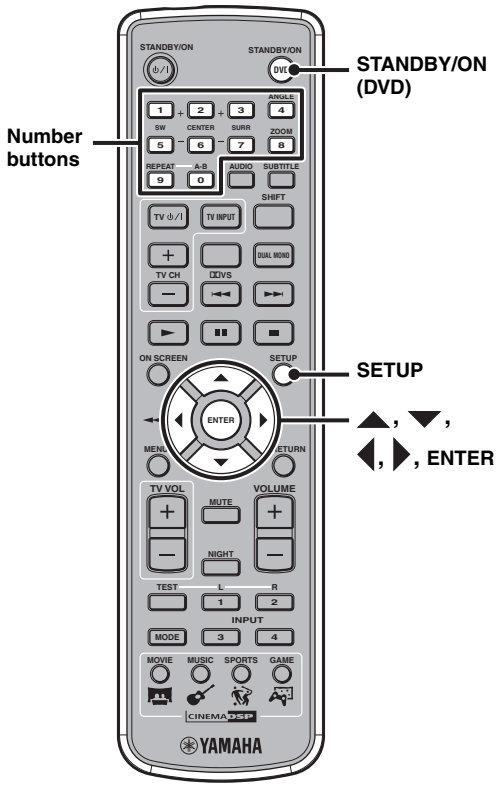
Notes

- Do not use an old battery together with new one.
- Do not use different types of batteries (for example, alkaline and manganese) together. Each type of battery has its own characteristics even if they are similar in shape.
- If the batteries run out, immediately remove them from the remote control to prevent an explosion or acid leak.
- Dispose of the batteries according to the regional regulations.
- If a battery starts leaking, dispose of it immediately. Be careful not to let leaking battery acid come into contact with your skin or clothing. Before inserting new batteries, wipe the compartment clean.
- Replace the batteries within two minutes to preserve the memory in the remote control.

OPERATION

Getting Started

Before starting playback operation, follow the procedure below to set up the DVD player settings.



■ Step 1: Turning on the power

1 Turn on the TV and AV amplifier (AVC-S30 etc.), and then press STANDBY/ON (DVD) to turn on the DVD player (DVD-S30).

The front panel display turns on.

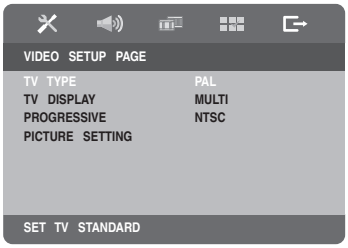
This unit has the auto-sleep function which automatically switches to the standby mode if you do not operate the unit for about 30 minutes while playback is stopped.

2 Select the DVD input on the TV and AV amplifier (AVC-S30 etc.).

The default screen appears on the TV.

■ Step 2: Setting the TV color system

This unit is compatible with both NTSC and PAL. Select the color system that matches your TV. (The default setting is “PAL” for U.K. and Australia models and “MULTI” for Taiwan and Asia models)



1 Press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select “VIDEO SETUP PAGE”, press ▲ or ▼ to select “TV TYPE”, and then press ▶.

3 Press ▲ or ▼ to select “PAL”, “MULTI” or “NTSC”, and then press ENTER.

PAL:
Select this if your TV employs PAL system.

MULTI:
Select this if your TV is compatible with both PAL and NTSC. The output format will be in accordance with the video signal of the disc.

NTSC:
Select this if your TV employs NTSC system.

4 Press ◀ or ▶ to select “OK”, and then press ENTER.

Repeat step 4 in the re-confirmation screen.



To return to the previous menu, press ◀. To close the Setup menu, press SETUP.

Notes

- When using a wide-screen TV, set “TV DISPLAY” in “VIDEO SETUP PAGE” to “16:9”. For details, refer to “TV DISPLAY” (page 23).
- Setting an incorrect TV color system distorts the picture on the TV and makes menu operations difficult. To switch the TV color system (NTSC and PAL) in such a case, press ▶ and then AUDIO while no disc is inserted (“NO DISC” appears on the front panel display).

■ Step 3: Setting the OSD language

You can select a language used for the on-screen display. (The default setting is “ENGLISH”.)



1 Press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select “GENERAL SETUP PAGE”, press ▲ or ▼ to select “OSD LANGUAGE”, and then press ▶.

3 Press ▲ or ▼ to select a language, and then press ENTER.

To return to the previous menu, press ◀. To close the Setup menu, press SETUP.

■ Step 4: Setting the disc language (audio, subtitle, disc menu)

If you set the disc language, this unit will automatically switch to the selected language (for audio, subtitle and disc menu) when a disc is loaded. If the selected language is not available on the disc, the disc’s default language will be used instead. (The default setting is “ENGLISH” for audio and disc menu and “OFF” for subtitle.)



1 Press SETUP to display the Setup menu on the TV.

2 Press ▶ to select “PREFERENCE PAGE”, press ▲ or ▼ to select “AUDIO”, “SUBTITLE” or “DISC MENU”, and then press ▶.

Note

“PREFERENCE PAGE” is available only when no disc is inserted or the unit is in the Stop mode (page 11).

3 Press ▲ or ▼ to select a language, and then press ENTER.

If the desired language is not listed, select “OTHERS”, use the Number buttons to enter the 4-digit language code (page 28), then press ENTER.

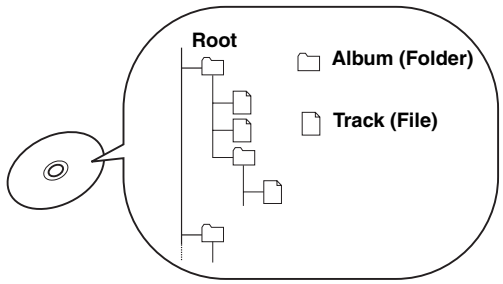
To return to the previous menu, press ◀. To close the Setup menu, press SETUP.

Supported Disc Types

You can enjoy movie or music discs with this unit. Since some disc operations are limited to specific disc types, the supported disc types are indicated using the icons shown below. Each icon means that the operation is limited to the corresponding disc type. Operations with no icon indicated are available for all disc types.

DVD/DVD-VR	VIDEO CD/ SUPER VIDEO CD	Music CD
DVD	VCD	CD

About MP3 and JPEG picture discs



You can play MP3 files recorded on a CD-R or CD-RW with similar uses as a music CD. The DVD player regards folders in the MP3 disc as albums, and files as tracks (as shown on the left). Also you can play JPEG picture files recorded on a CD-R or CD-RW. For details about how to play JPEG picture discs, refer to “Playing MP3 or JPEG (Kodak) Picture Discs” (page 18).

What is MP3?

“MP3” is a standard technology and format for compressing an audio sequence into a small-sized file. However it preserves the original level of sound quality when it is played.

Notes

- Depending on recording conditions such as recording software settings, the DVD player may not be able to play the disc or play tracks in the order they were recorded.
- The DVD player is compatible with a bit rate range of 32, 64, 96, 128, 192, or 256 kbps and variable bit encoded MP3 files.
- The DVD player is compatible with a sampling frequency of 32, 44.1, or 48 kHz.

What is JPEG?

“JPEG” is a compression format for still images. With only a slight drop in image quality (part of the data is removed), still image data can be compressed to approximately 1/10 to 1/100 of its original size.

Note

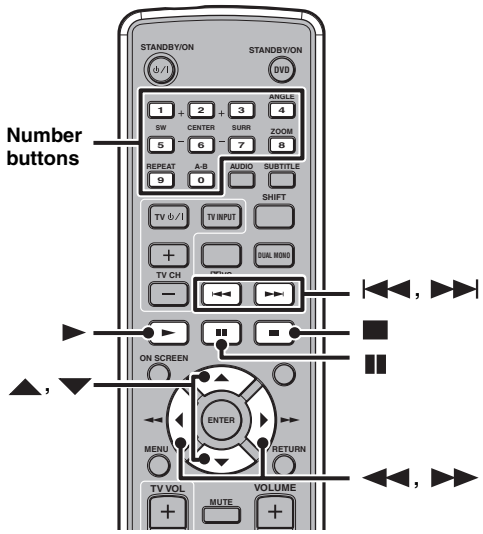
This unit does not support the progressive JPEG format.

Basic Playback Operations

Follow the procedures below to carry out basic disc playback operations.

Notes

- If the inhibit icon (⃠ or ✕) appears on the TV when a button is pressed, it means the function is not available on the current disc or the current status.
- Depending on the disc, some operations may be different or restricted.



To start playback

Insert the disc into the disc loading slot.

This unit automatically starts playback when a disc is loaded. In case that the disc has the start menu, you may need to press ▶ to start playback.

To stop playback

Press ■.

This unit automatically memorizes the stopping position when playback is stopped. If you press ▶, playback resumes from where it left off. If you press ■ once again, the stopping position will be cleared from the memory. (This is called "Stop mode")

To pause playback

Press ❚❚.
To return to normal playback, press ▶.

To advance frame-by-frame DVD VCD

Press ❚❚ to pause playback, then press ❚❚ repeatedly. Each time you press ❚❚, playback advances one frame at a time. To return to normal playback, press ▶.

To fast reverse or fast forward

To fast reverse, press ◀◀. To fast forward, press ▶▶. Each time you press the button, the speed increases (decreases).

You can also fast-reverse or fast-forward the playback by pressing and holding ⏮ or ⏭, and change the speed by pressing ⏮ or ⏭ during search.

To slow reverse or slow forward DVD VCD

To slow reverse press ▲. To slow forward, press ▼. Each time you press the button, the speed increases (decreases).

The Slow reverse feature is not available for VCDs and SVCDs.

To skip chapters (tracks)

To skip to the start of the current chapter (track), press ⏮.
To skip to the next chapter (track), press ⏭.
To skip to the previous chapter (track), quickly press ⏮ twice.

Note

The Skip feature may not work properly when playing back a VCD or SVCD using the Playback Control feature (page 16).

To specify a chapter (track) for playback

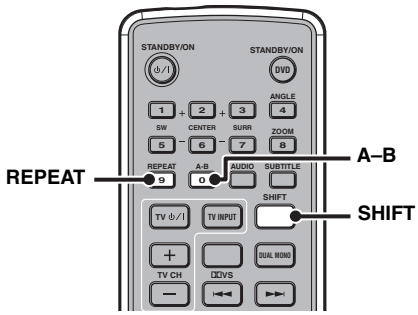
Use the Number buttons to enter the chapter (track) number you want to play.
To specify 1-digit number, press a number key to enter the track number and then ENTER, or press 0 and then a number key to enter the track number.

Repeating Playback (Repeat Play)

You can repeat single chapter (track), single title, or entire disc. Also, you can set two points to repeat the specified section of a title (track) with A-B Repeat.

Notes

- Repeat Play may not work depending on DVD disc types.
- The Shuffle feature is not available for DVD-VRs.
- Repeat Play does not work while playing back a VCD or SVCD using the Playback Control feature (page 16).



1 Play back the disc, title, or chapter (track) you want to repeat.

2 While holding down SHIFT, press REPEAT to select the Repeat Play mode.

Each time you press the button, the mode changes as follows:

DVD/DVD-VR

OFF (Normal playback)
↓
CHAPTER (Repeat Play by chapter)
↓
TITLE (Repeat Play by title)
↓
ALL (Repeat Play by disc)
↓
SHUFFLE (Playback at random order)

VCD/SVCD/CD

OFF (Normal playback)
↓
TRACK (Repeat Play by track)
↓
ALL (Repeat Play by disc)
↓
SHUFFLE (Playback at random order)

To cancel Repeat Play

While holding down SHIFT, press REPEAT to select "OFF".

■ To repeat between two points (A-B Repeat)

You can repeat the specified section of a title (track) by setting two points (start and end points).

Note

You can use A-B Repeat only within one title (track).

1 Play back the title or track that includes the section you want to repeat.

2 At the position where you want to set as the start point of the repeat section, hold down SHIFT and press A–B.

"A" appears on the TV.

3 At the position where you want to set as the end point of the repeat section, hold down SHIFT and press A–B again.

"AB" appears on the TV and A-B Repeat starts.

To cancel A-B Repeat

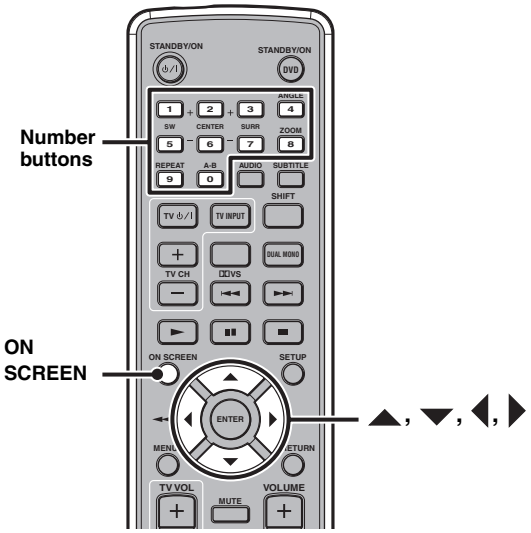
While holding down SHIFT, press A–B once.

Specifying an elapsed time for playback (Time Search)

You can specify an elapsed time where you want playback to start.

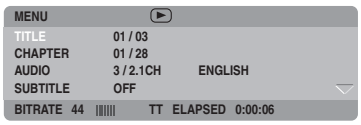
Notes

- Using the Time Search feature for a VCD or SVCD automatically closes the Playback Control menu (page 16).
- You cannot specify an elapsed time that exceeds the total time.



■ Time Search on DVD

1 While playing back a disc, press ON SCREEN to display the On-Screen menu on the TV.



2 Press ▲ or ▼ to select "TT TIME" or "CH TIME", and then press ▶.

TT TIME:
Select this if you want to specify an elapsed time for the current title.

CH TIME:
Select this if you want to specify an elapsed time for the current chapter.

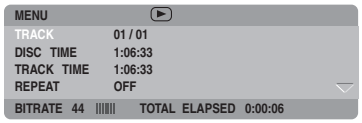
3 Use the Number buttons to enter hours, minutes, and seconds.

Playback skips to the specified position.

To return to the previous menu, press ◀. To close the On-Screen menu, press ON SCREEN.

■ Time Search on VCD/SVCD

1 While playing back a disc, press ON SCREEN to display the On-Screen menu on the TV.



2 Press ▲ or ▼ to select "DISC TIME" or "TRACK TIME", and then press ▶.

DISC TIME:
Select this if you want to specify an elapsed time for the entire disc.

TRACK TIME:
Select this if you want to specify an elapsed time for the current track.

3 Use the Number buttons to enter hours, minutes, and seconds.

Playback skips to the specified position.

To return to the previous menu, press ◀. To close the On-Screen menu, press ON SCREEN.

■ Time Search on CD

1 Press ON SCREEN repeatedly to select "DISC GO TO", "TRACK GO TO" or "SELECT TRACK".

DISC GO TO:
(Specify an elapsed time for the entire disc)
↓
TRACK GO TO:
(Specify an elapsed time for the current track)
↓
SELECT TRACK:
(Specify a track number)

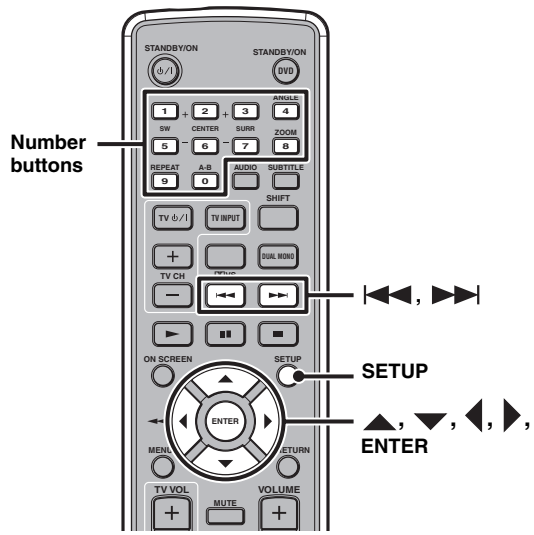
2 Use the Number buttons to enter hours, minutes, and seconds (or track number if you select "SELECT TRACK" in step 1).
Playback skips to the specified position.

Customizing Playback Order (Program Play)

You can customize the playback order for chapters or tracks stored in the disc. This unit can memorize playback order of 10 discs (20 chapters or 20 tracks for each disc).

Notes

- The Playback Control feature (page 16) is not available during Program Play of a VCD or SVCD.
- The Program Play feature is not available for MP3 and JPEG (Kodak) discs.



1 While the disc is loaded in the unit, press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select "GENERAL SETUP PAGE", press ▲ or ▼ to select "PROGRAM", and then press ▶.

3 Press ENTER to display the Input menu.

4 Press ▲, ▼, ◀ or ▶ to select a program number, and then press ENTER.
Pressing ⏮ or ⏭ switches the program list to the previous/next page.

5 To program the order for a DVD disc, use the Number buttons and ENTER to enter a title number, and then enter a chapter number. To program the order for a VCD, SVCD, or CD, use Number button and ENTER to enter a track number.
Repeat steps 4 and 5 until you select all desired chapters (tracks).

6 To start playback with the Program Play feature, press ▲, ▼, ◀ or ▶ to select "START", and then press ENTER.

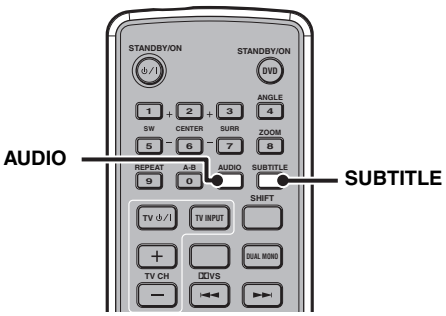
- To cancel the Program Play feature, press ▲, ▼, ◀ or ▶ to select "Exit" in the program list, then press ENTER.
- To remove a chapter or track from Program Play, press ▲, ▼, ◀ or ▶ to select the program number, then press ENTER.

Selecting Audio and Subtitle Languages DVD VCD

You can select audio and subtitle languages for disc playback. If no language is selected, the default languages specified in the Setup menu (page 21) are selected.

Notes

- This selection is available only with multi-language compatible discs. Also, languages available for each disc may vary. For information on your disc, refer to the operating instructions in the disc's menu or on its jacket.
- For VCDs and SVCDs, you can switch the audio channel settings (stereo, monaural, etc.) by pressing AUDIO. You cannot select audio and subtitle languages for those discs.



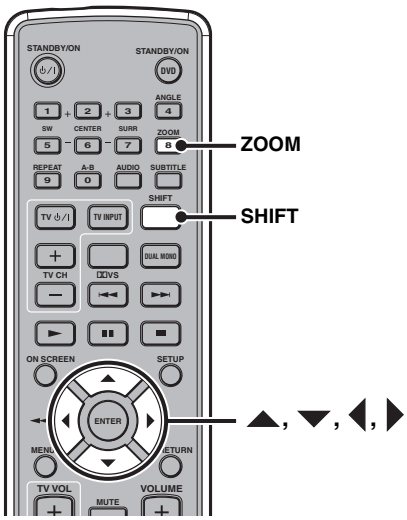
To select an audio language, while playing back a disc, press AUDIO repeatedly until the desired language appears on the TV.

To select a subtitle language, while playing back a disc, press SUBTITLE repeatedly until the desired language appears on the TV.

To turn off the subtitle, press SUBTITLE repeatedly to select "OFF".

Zooming the Picture DVD VCD

You can zoom in or zoom out the picture during disc playback.



1 While playing back a disc, hold down SHIFT and press ZOOM repeatedly.

Each time you press the button, the picture scale changes as follows.

2X → 3X → 4X → 1/2 → 1/3 → 1/4 → original scale (1X)

2 If you select "2X", "3X" or "4X" in step 1, press ▲, ▼, ◀ or ▶ to pan through the enlarged picture.

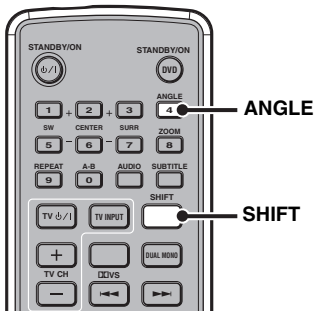
To return to the original picture scale, hold down SHIFT and press ZOOM repeatedly to select the original scale.

Selecting a Viewing Angle DVD

You can select the desired viewing angle during DVD playback.

Note

This selection is available only with multi-angle compatible discs. Also, viewing angles available for each disc may vary. For information on your disc, refer to the operating instructions in the disc's menu or on its jacket.



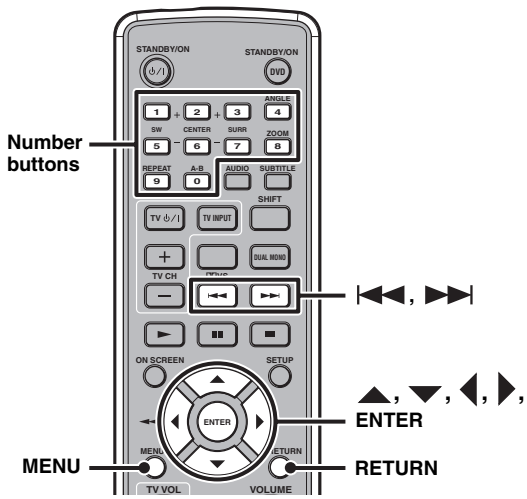
While playing back a disc, hold down SHIFT and press ANGLE repeatedly until the desired viewing angle is selected.

Operating the Disc Menu

Many DVD and VCD (SVCD) include original navigational menus called "DVD menu" and "Playback Control menu". These menus provide a convenient way to operate the disc. Follow the procedure below to use a DVD menu or Playback Control menu with this unit.

Note

Menu contents or operation method of each disc may vary. For information on your disc, refer to the operation instructions in the disc's menu or on its jacket.



■ To operate the DVD menu DVD

1 Press MENU to display the DVD menu on the TV.

Depending on the disc, the DVD menu may automatically appear after the disc is loaded.

2 Press ▲, ▼, ◀ or ▶ to select a menu item, then press ENTER to confirm the selection.

■ To operate the Playback Control menu VCD

If you play back a VCD or SVCD that includes the Playback Control feature, the menu automatically appears on the TV. To operate the Playback Control menu with this unit's remote control, use the following buttons.

Number buttons: Selects an item.
▶▶| : Moves to the next screen.
|◀◀ **or RETURN**: Returns to the previous screen.
ENTER: Confirms the selected item.
MENU: Displays or closes the Playback Control menu.

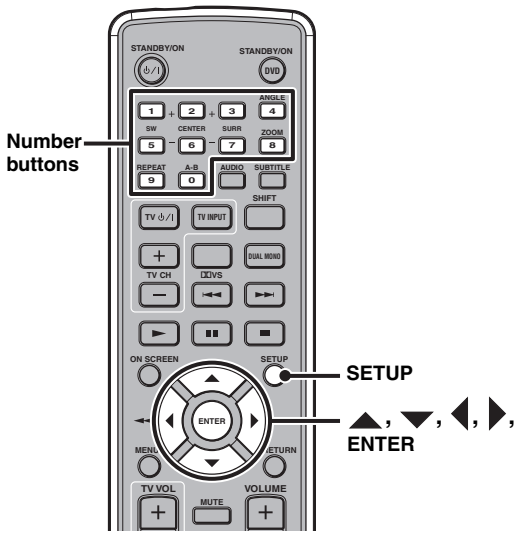
If you set "PBC" in the Setup menu to "OFF" (page 23), the Playback Control menu is not displayed automatically when playing back a disc.

Restricting Playback DVD

You can set playback restrictions for certain discs using Parental Control. Only users who know the password (page 18) can access the locked discs.

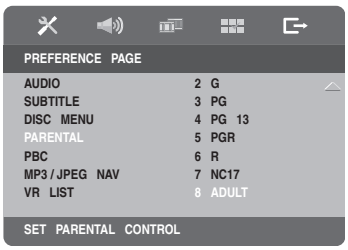
■ Setting the Parental Control level

You can restrict playback according to a predetermined level (Parental Control level). For information on the Parental Control level of each disc, refer to the instruction on its jacket.



1 Press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select "PREFERENCE PAGE", press ▲ or ▼ to select "PARENTAL", and then press ▶.



Note

"PREFERENCE PAGE" is available only when no disc is inserted or the unit is in the Stop mode (page 11).

3 Press ▲ or ▼ to select a Parental Control level, and then press ENTER.

1 to 7: Users cannot play a disc that is rated above the level without entering the password. (The smaller the number, the stricter the Parental Control level.)
8 (Default setting): Users can play all discs without entering the password.

4 Press the number buttons to enter the 6-digit password, then press ENTER.

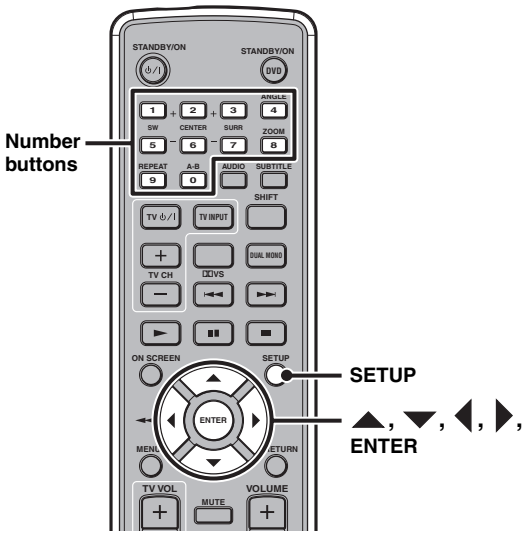
Notes

- The default password is "000000". To change the password, carry out the "Changing the password" procedure (page 18).
- If you forget your password, enter "000000" instead of entering your password.

- To return to the previous menu, press ◀. To close the Setup menu, press SETUP.
- To unlock the Parental Control temporarily for playback, use the Number buttons to enter the password in the password input area (displayed when the locked disc is loaded), and then press ENTER.

■ Locking discs

You can prevent up to 40 specific discs from playback by locking the discs.



1 While the disc to be locked is loaded into the unit, press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select "GENERAL SETUP PAGE", press ▲ or ▼ to select "DISC LOCK", and then press ▶.

3 Press ▲ or ▼ to select "LOCK", and then press ENTER.

To disable a lock applied to a disc

Select "UNLOCK" in step 3.

- To return to the previous menu, press ◀. To close the Setup menu, press SETUP.
- To unlock the Disc Lock temporarily for playback, use the Number buttons to enter the password in the password input area (displayed when the locked disc is loaded), and then press ENTER.

■ Changing the password

Follow the procedure below to change the password to access locked disc temporarily.

1 Press SETUP to display the Setup menu on the TV.

2 Press ◀ or ▶ to select "PREFERENCE PAGE", press ▲ or ▼ to select "PASSWORD", then press ▶.

Note

"PREFERENCE PAGE" is available only when no disc is inserted or the unit is in the Stop mode (page 11).

3 Press ENTER to display the Password change screen.

4 Use the Number buttons to enter the current 6-digit password in the "OLD PASSWORD" area, enter the new 6-digit password in the "NEW PASSWORD" and "CONFIRM PWD" areas, then press ENTER.

Notes

- The default password is "000000".
- If you forget your password, enter "000000" instead of your password.

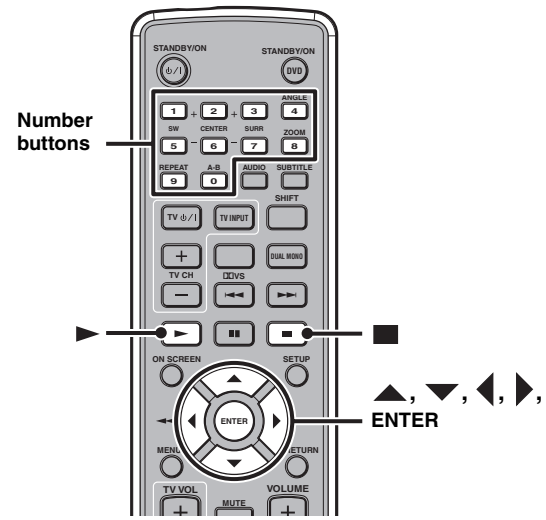
To return to the previous menu, press ◀. To close the Setup menu, press SETUP.

Playing MP3 or JPEG (Kodak) Picture Discs

You can play back MP3 data recorded on a CD-R or CD-RW disc, or view a JPEG disc or Kodak disc on the TV. For information on basic playback operations, refer to "Basic Playback Operations" (page 11).

Notes

- This unit cannot display special characters such as double-byte characters used for folder and file names.
- Depending on the disc format, characteristics, or recording conditions, the unit may not read or play back some discs properly.
- If a disc contains a folder consisted of more than 500 files, the unit may not read or play back the disc properly.



1 Insert the disc into the disc loading slot.

For a Kodak disc, the slide show starts automatically. If it does not start, press ▶.

For an MP3 or JPEG disc, the disc menu appears on the TV. To start the slide show for the JPEG disc, press ▶.

2 Press ▲ or ▼ to select a folder, then press ENTER.

The file list of the selected folder appears on the TV.

3 Press ▲, ▼, or Number buttons to select a file, then press ENTER.

Playback starts from the selected file to the end of the folder.

- While playing back a JPEG (Kodak) picture disc, you can zoom in or zoom out the picture by pressing ZOOM repeatedly while holing down SHIFT. Also, you can pan through the enlarged picture by pressing ▲, ▼, ◀ or ▶.
- While playing back a JPEG (Kodak) picture disc, you can flip the picture by pressing ▲ or flip the picture horizontally by pressing ▼. Also you can rotate it 90 degrees by pressing ◀ or ▶.
- While playing back a JPEG (Kodak) picture disc, you can select a scan effect by pressing ANGLE repeatedly while holing down SHIFT.
- For an MP3 or JPEG (Kodak) picture disc, you can set the playback mode by pressing REPEAT repeatedly while holing down SHIFT.

SHUFFLE
(Plays back all files in the current folder at random order)
↓
SINGLE
(Plays back the selected file once, then returns to the menu)
↓
REPEAT ONE
(Shows the selected JPEG image, or plays back the selected MP3 file repeatedly)
↓
REPEAT FOLDER
(Plays back all files in the selected folder repeatedly)
↓
FOLDER
(Plays back all files in the selected folder once, then returns to the menu)

■ Viewing JPEG (Kodak) pictures in thumbnailed form

You can view the content of the selected folder or disc as small thumbnail images.

1 While playing back a JPEG (Kodak) picture disc, press ■.

The JPEG pictures appear in thumbnailed form.
Pressing ⏮ or ⏭ switches the thumbnail list to the previous/next page.



2 To view a specified picture in full size, press ▲, ▼, ◀ or ▶ to select a thumbnail image, then press ENTER.

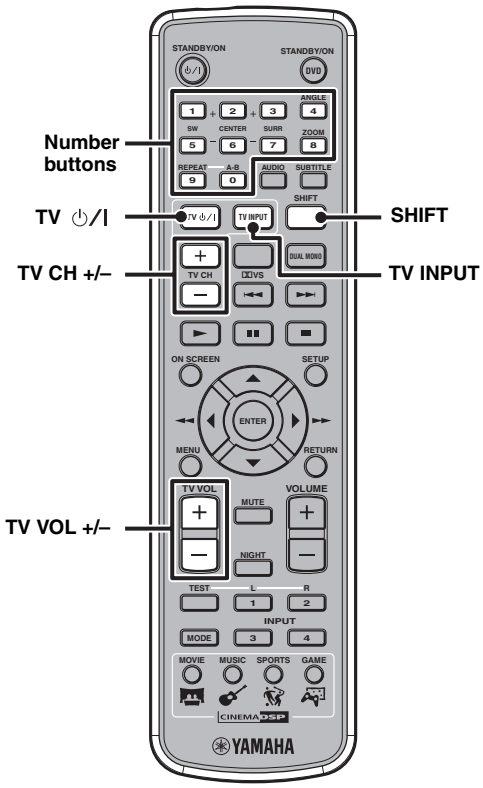
- To start the slide show from the first picture of the current page, press ▲, ▼, ◀ or ▶ to select [▦], then press ENTER.
- To return to the disc menu, press MENU.

Setting the Remote Control Code

If you set the remote control code (page 29) for your TV on the remote control of this unit, you can operate the specific functions of your TV with the remote control.

Note

Depending on the product, this unit's remote control may not be able to operate some TVs. In this case, use the remote control supplied with the TV.



1 While holding down SHIFT, press TV ⏻/I, then while still holding down SHIFT, use the Number buttons to enter the three-digit remote control code (page 29).

The default setting is "242 (Yamaha)".

2 Carry out one of the following operation to check if the remote control works on the TV.

If it does not work, try another remote control code (if there is another choice).

TV ⏻/I: Turn the TV on, or set it to the standby mode.
TV INPUT: Switches the TV inputs.
TV VOL +/–: Adjusts the TV volume level.
TV CH +/–: Switches the TV channels.

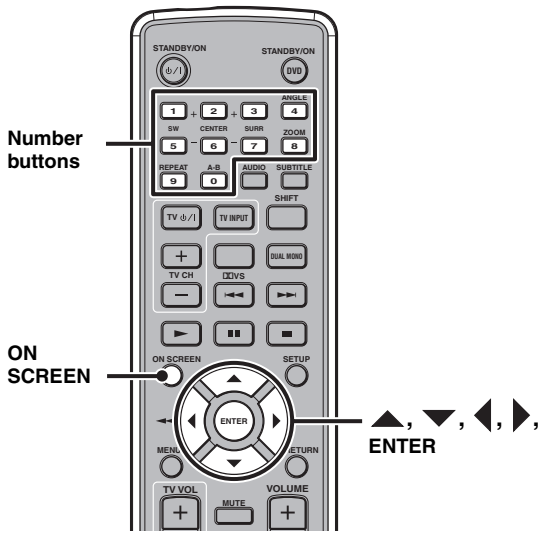
Changing Playback Settings on the TV (On-Screen Menu)

You can view and change the settings for the current DVD or VCD (SVCD) playback using the TV (On-Screen menu).

Note

Displaying the On-Screen menu for a VCD or SVCD automatically closes the Playback Control menu (page 16).

Although the On-Screen menu is shown in English in the procedure below, you can display the menu in other language by setting the OSD language (page 9).



1 While playing back a disc, press ON SCREEN to display the On-Screen menu on the TV.

The On-Screen menu shows the settings for the current playback. Depending on the disc currently played back, items of the On-Screen menu vary.

2 To change the settings, press ▲ or ▼ to select an item, then press ▶.

3 To select a parameter, press ▲ or ▼, then press ENTER. To enter numbers or time, use the number buttons.

To return to the previous menu, press ◀. To close the On-Screen menu, press ON SCREEN.

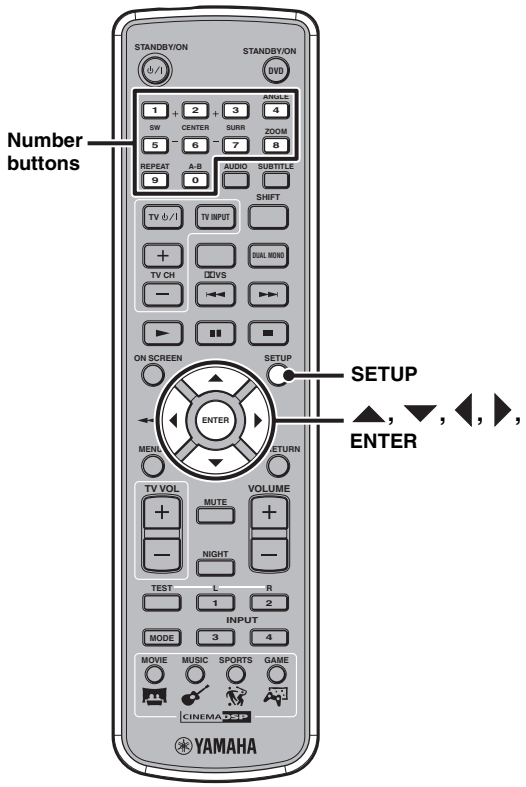
■ On-Screen menu items

Items for DVD	Description
TITLE	The current title and the number of titles in the disc
CHAPTER	The current chapter and the number of chapters in the disc
AUDIO	The current settings for audio channels and audio language
SUBTITLE	The current setting for subtitle language
ANGLE	The current angle and the number of angles in the disc
TT TIME	The total time of the current title
CH TIME	The total time of the current chapter
REPEAT	The current setting for the Repeat Play feature
TIME DISP.	The current setting for the time display

Items for VCD/SVCD	Description
TRACK	The current track and the number of track in the disc
DISC TIME	The total time of the disc
TRACK TIME	The total time of the current track
REPEAT	The current setting for the Repeat Play feature
TIME DISP.	The current setting for the time display

Configuring the Various Parameters (Setup Menu)

In the Setup menu, you can configure the various parameters or operate useful functions. Follow the procedure below to operate the Setup menu. For details on each menu or available parameters, refer to "Setup menu items" (page 22).



1 **Press SETUP to display the Setup menu on the TV.**

2 **Press ◀ or ▶ to select "GENERAL SETUP PAGE", "AUDIO SETUP PAGE", "VIDEO SETUP PAGE" or "PREFERENCE PAGE".**

Note

"PREFERENCE PAGE" is available only when no disc is inserted or the unit is in the Stop mode (page 11).

3 **Press ▲ or ▼ to select the desired menu, then press ▶.**

If the selected menu contains one submenu, press ENTER.

If the selected menu contains two or more submenus, press ▲ or ▼ to select the desired submenu, then press ENTER.

4 **Press ▲ or ▼ to select the desired parameter, then press ENTER.**

For configuring some parameters, you need to enter the password by pressing the Number buttons.

To return to the previous menu, press ◀. To close the Setup menu, press SETUP.

■ Setup menu items

Page	Menu	Submenu	Parameter
GENERAL SETUP PAGE	DISC LOCK		See page 17 for details. (Default: UNLOCK)
	DISPLAY DIM		You can set brightness for the front panel display. (Default: 100%) **100%**: Full brightness **70%**: Medium brightness **40%**: Dimming the front panel display
	PROGRAM	INPUT MENU	See page 14 for details.
	OSD LANGUAGE		See page 9 for details. (Default: ENGLISH)
	SCREEN SAVER		The screen saver function allows you to prevent the TV screen from burn-in. (Default: ON) **ON**: Turns off the TV screen when disc playback is stopped or paused for more than 15 minutes. **OFF**: Disables the screen saver function.
	SLEEP		The sleep function allows you to turn off this unit automatically after a preset time. (Default: OFF) **15 MINS**: Turns off this unit after 15 minutes. **30 MINS**: Turns off this unit after 30 minutes. **45 MINS**: Turns off this unit after 45 minutes. **60 MINS**: Turns off this unit after 60 minutes. **OFF**: Disables the sleep function.
AUDIO SETUP PAGE	ANALOG OUTPUT		You can configure the analog output setting. (Default: STEREO) **STEREO**: Delivers sounds from only the two front speaker channels. **LT/RT**: Delivers sounds from the multi speaker channels.
	DIGITAL AUDIO	DIGITAL OUTPUT	You can configure the digital output setting according to your optional audio equipment connections. (Default: ALL) **OFF**: Disables the digital output. **ALL**: Select this if you connect this unit to a multi-channel decoder/amplifier using a digital connection. **PCM ONLY**: Select this if your amplifier is not capable of decoding multi-channel audio.
		LPCM OUTPUT	If you connect this unit to a PCM compatible amplifier using a digital connection, configure the LPCM output setting. The higher the sampling rate, the better the sound quality. (Default: 48KHz) **48KHz**: Plays back a disc recorded at the sampling rate of 48 kHz. **96KHz**: Plays back a disc recorded at the sampling rate of 96 kHz.
	CD UPSAMPLING *1		You can convert your music CD to a higher sampling rate using sophisticated digital signal processing for better sound quality. If you have activated the upsampling, this unit will automatically switch to stereo mode. (Default: OFF) **OFF**: Disables the CD upsampling function. **88.2KHz (X2)**: Converts the sampling rate of the CDs twice higher than original. **176.4KHz (X4)**: Converts the sampling rate of the CDs for times higher than original.

*1 “CD UPSAMPLING” is available only when a music CD is loaded in this unit.

Page	Menu	Submenu	Parameter
VIDEO SETUP PAGE *2	TV TYPE		See page 8 for details. (Default: PAL for U.K. and Australia models, MULTI for Taiwan and Asia models)
	TV DISPLAY		You can set the aspect ratio of this unit according to the TV. When the selected format is not available on the disc, this setting will not affect the disc playback. (Default: 4:3 PAN SCAN) **4:3 PAN SCAN**: Select this if you have a normal TV and want both sides of the picture to be trimmed or formatted to fit your TV screen. **4:3 LETTER BOX**: Select this if you have a normal TV. In this case, a wide picture with black bands on the upper and lower portions of the TV screen will be displayed. **16:9**: Select this if you have a wide-screen TV.
	PROGRESSIVE *3		When connecting this unit to a progressive scan compatible TV using a component video connection, you can enjoy high-quality DVD video with the progressive scan mode. (Default: OFF) **ON**: Enables the progressive scan. **OFF**: Disables the progressive scan.
	PICTURE SETTING		You can select the picture color setting from three predefined sets or configure in detail. (Default: STANDARD) **STANDARD**: Uses standard TV picture settings. **BRIGHT**: Makes the TV picture brighter. **SOFT**: Makes the TV picture softer. **PERSONAL**: You can adjust Brightness, Contrast, Tint and Color (saturation) individually. (Press ▲ or ▼ to select an item, press ◀ or ▶ to adjust the parameter, then press ENTER to confirm the adjustment.)
PREFERENCE PAGE *4	AUDIO		See page 9 for details. (Default: ENGLISH)
	SUBTITLE		See page 9 for details. (Default: OFF)
	DISC MENU		See page 9 for details. (Default: ENGLISH)
	PARENTAL		See page 17 for details. (Default: 8)
	PBC		You can enable or disable the auto-display function of the Playback Control menu for VCDs and SVCDs. (Default: ON) **ON**: Displays the Playback Control menu automatically when a disc is played back. **OFF**: Starts playback of a disc without displaying the Playback Control menu.
	MP3/JPEG NAV		You can enable or disable the navigator menu function when an MP3 disc or JPEG disc includes the menu. (Default: WITH MENU) **WITHOUT MENU**: Displays all the files contained in the MP3 disc or JPEG disc. **WITH MENU**: Displays only the folder menu of the MP3 disc or JPEG disc.
	VR LIST		You can select the original list or play list used for playback of VR (Video Recording) format discs. (Default: ORIGINAL LIST) **ORIGINAL LIST**: Select this to play the originally recorded titles on the disc. **PLAY LIST**: Select this to play the edited version of the disc. (This feature is available only when a play list has been created.)
	PASSWORD	CHANGE	See page 18 for details.
	DEFAULT	RESET	Resets all settings to the initial parameters (except the password).

*2 The video settings of your TV also affect the display image. Make sure you configure the video settings of your TV as well as this unit's video setup.

*3 The progressive scan mode is only available if you connect this unit to a progressive scan compatible TV using a component video connection.

*4 "PREFERENCE PAGE" is available only when no disc is inserted or the unit is in the Stop mode (page 11).

Note

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT YOU SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT. IF THERE ARE QUESTIONS REGARDING YOUR VIDEO MONITOR COMPATIBILITY WITH THIS UNIT, PLEASE CONTACT OUR CUSTOMER SERVICE CENTER.
This unit is compatible with the complete line of YAMAHA products, including the projectors DPX-1100, LPX-510 and the plasma monitor PDM-4210/4210E.

ADDITIONAL INFORMATION

Troubleshooting

If there is any problem with your system, check the following items. If you cannot solve your problem with the following remedies or if your problem is not listed below, turn off and unplug the unit, then consult the nearest authorized YAMAHA dealer or service center.

■ General

Problem	Cause	Solution
Power turns on but immediately shuts off	The power cable may be connected improperly.	Make sure the power cable is plugged into the outlet firmly.
	This unit may receive a strong electrical shock such as from a lightening bolt or excessive static electricity.	Set this unit to the Standby mode, then disconnect the power cable. Wait for about 30 seconds, then connect the power cable and turn on this unit.
The speakers make no sound	The cables may be connected improperly.	Make sure all cables are connected properly. (page 6)
	The disc loaded into this unit may be not compatible.	Make sure you use a disc supported by this unit. (page iii)
	A DTS source is played back using an analog output jack.	Use a digital connection to play back a DTS source.
	A DTS source is played back while “PCM ONLY” is selected for “DIGITAL OUTPUT” in the Setup menu.	Select “ALL” for “DIGITAL OUTPUT” in the Setup menu. (page 22)
The TV shows no picture	The cables may be connected improperly.	Make sure all cables are connected properly. (page 6)
This unit suddenly turns off	The Sleep feature (page 22) might be set.	Turn on this unit and play the source again.

■ Remote control

Problem	Cause	Solution
The remote control does not work for operating this unit	The remote control may be operated outside the remote control operation range.	For information on the remote control operation range, refer to “Using the Remote Control” (page 7).
	The remote control sensor on this unit may be exposed to direct sunlight or lighting (inverted fluorescent lamps).	Change the lighting or this unit’s orientation.
	The batteries may be worn out.	Replace the batteries with new ones. (page 7)

■ Disc playback

Problem	Cause	Solution
A disc cannot be inserted into this unit	This unit is not turned on.	Turn on this unit and insert the disc after "NO DISC" appears on the front panel display.
	This unit is in the initialization process.	Wait for a while and insert the disc after "NO DISC" appears on the front panel display.
	This unit is not ready for disc loading.	Wait for a while and insert the disc after "NO DISC" appears on the front panel display.
	Another disc is already inserted into this unit.	Eject the disc from this unit, and then insert the disc you want to play back after "NO DISC" appears on the front panel display.
	You may be trying to reload the ejected disc by pushing it.	Press ⏏ or ▷, or remove the disc from the disc loading slot fully and then insert it once again.
Some button operations do not work	Some discs do not support certain functions.	
Playback does not start or stops immediately when pressing ▷	The disc may be dirty.	Wipe the disc clean.
	The disc loaded into this unit may be not compatible.	Make sure you use a disc supported by this unit. (page iii)
	When moved this unit from a cold place to warm one, condensation may be form on the disc reading lens.	Wait for one to two hours, then try again.
An audio or subtitle language does not switch	The disc may not support the multi-language feature.	Make sure you use a disc that supports the multi-language feature.
No subtitles appear	The subtitle may be set to "OFF".	Select a subtitle language you want to display. (page 15)
	The disc may not contain subtitle data.	Make sure you use a disc with subtitle data.
	When using the A-B Repeat feature (page 12), the subtitle may not appear at the parts other than the selected section.	Cancel the A-B Repeat feature. (page 12)
A viewing angle does not switch	The disc may not support the multi-angle feature.	Make sure you use a disc that supports the multi-angle feature.
DVD videos cannot be copied with the VCR	You may be trying to copy a copy-protected DVD.	Most commercially available DVDs include copy protect features. You cannot make a copy of these DVDs.
Picture looks poor	In some cases, picture may look poor while fast forwarding or reversing, but this is not a defect.	
The TV (monitor) does not show the picture properly	In the Setup menu, "TV SYSTEM" does not match the specifications of your TV.	Carry out the procedure "Step 2: Setting the TV color system". (page 8)
	The progressive scan mode may be used with a TV that does not support it.	Disable the progressive scan mode. (page 23)
The screen size of the TV or monitor looks strange (the image is distorted or the subtitle is missing)	"TV DISPLAY" in the Setup menu or the setting of your TV does not match the size of your TV.	Change "TV DISPLAY" in the Setup menu (page 23) or the setting of your TV.
	When the progressive scan mode is activated, image with a 4:3 aspect ratio are played on a 16:9 wide television screen.	Change "TV DISPLAY" in the Setup menu. (page 23) If you cannot adjust the ratio, turn off the progressive scan mode. (page 23)
The TV shows overlapped picture partly	The disc content does not match the progressive scan mode due to the editing method or other conditions.	Disable the progressive scan mode. (page 23)
The disc is ejected without an operation	The disc loaded into this unit may be not compatible.	Make sure you use a disc supported by this unit. (page iii)

Glossary

■ Channel (ch)

A channel is an audio type that has been divided based on range and other characteristics.
Ex. 5.1 channel

- Front speakers, Left (1ch), Right (1ch)
- Center speaker (1 ch)
- Surround speakers, Left (1ch), Right (1ch)
- Subwoofer (1 ch x 0.1* = 0.1 ch)

* In contrast to a full 1-channel band, a component designed to enhance low frequency sound for added effect.

■ COMPONENT VIDEO OUT

Jacks for inputting or outputting a component video signal. Component video signal consists of three lines, the luminance signal (Y) and two color difference signals (P_B/C_B, P_R/C_R), which enable to provide high-quality video.

■ DTS (Digital Theater Systems)

Digital surround sound system developed by Digital Theater Systems, Inc., which provides 5.1 channel audio. With an abundance of audio data, it is able to provide authentic-sounding effects.

■ NTSC (National Television System Committee)

NTSC is a video signal system (525 lines, 30 frames per second) used in North America, Central America, a number of South American countries, and some Asian countries, including Japan.

■ PAL (Phase Alternating Line)

PAL is a video signal system (625 lines, 25 frames per second) used in the United Kingdom, much of the rest of western Europe, several South American countries, some Middle East and Asian countries, several African countries, Australia, New Zealand, and other Pacific island countries.

■ Pan & Scan and Letterbox

In general, DVD Video is produced for viewing on a wide television screen with an aspect ratio of 16:9. This means you can now view most material with the intended aspect ratio on a wide-screen television.
This ratio will not fit on a standard television that has an aspect ratio of 4:3. Two picture styles, Pan & Scan and Letterbox, deal with this problem.

- Pan & Scan cuts off the left and right portions of the picture to fill the screen.
- Letterbox inserts black bands at the top and bottom of the picture to reproduce an aspect ratio of 16:9.

■ PCM (Pulse Code Modulation)

A signal that is changed to digital format without compression. A CD is recorded with 16-bit sound at 44.1 kHz, while DVD recording is anywhere from 16 bits at 48 kHz to 24 bits at 192 kHz, which makes it a higher quality sound than CD. This signal also has a type called Packed PCM (PPCM) that can be compressed without any loss of data.

■ Progressive scan

A method of displaying all scanning lines in a frame at once, reducing flicker noticeable on a larger screen and creating a sharp and smooth image.

■ Sampling frequency

The number of sampling (process for digitalizing analog signals) per second. In principle, the higher the sampling rate, the wider the frequency range that can be played back, and the higher the quantized bit rate, the finer the sound that can be reproduced.

■ Title, Chapter (DVD)

DVD video lets you divide a disc in a big way by titles or a small way by chapters. Each division is either called a title number or a chapter number.

■ Track (CD/Video CD/Super Video CD)

A CD, VCD or SVCD can be divided into a number of segments (tracks). Each division is called a title number.

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“DTS” and “DTS Digital Out” are trademarks of Digital Theater Systems, Inc.

MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.

Language Codes

If your desired language for "AUDIO" "SUBTITLE" and "DISC MENU" is not listed in the Setup menu (page 9), select "OTHER", then enter the 4-digit language code for your desired language.

Abkhazian	6566
Afar	6565
Afrikaans	6570
Albanian	8381
Amharic	6577
Arabic	6582
Armenian	7289
Assamese	6583
Avestan	6569
Aymara	6589
Azerbaijani	6590
Bashkir	6665
Basque	6985
Belarusian	6669
Bengali	6678
Bihari	6672
Bislama	6673
Bokmål, Norwegian	7866
Bosnian	6683
Breton	6682
Bulgarian	6671
Burmese	7789
Castilian, Spanish	6983
Catalan	6765
Chamorro	6772
Chechen	6769
Chewa; Chichewa; Nyanja	7889
Chichewa; Chewa; Nyanja	7889
Chinese	9072
Chuang; Zhuang	9065
Church Slavic; Slavonic	6785
Church Slavonic; Church	6785
Chuvash	6786
Cornish	7587
Corsican	6779
Czech	6783
Danish	6865
Dutch	7876
Dzongkha	6890
English	6978
Esperanto	6979
Estonian	6984
Faroese	7079
Fijian	7074
Finnish	7073
French	7082
Frisian	7089
Gaelic; Scottish Gaelic	7168
Gallegan	7176
Georgian	7565
German	6869
Gikuyu; Kikuyu	7573
Greek	6976
Guarani	7178
Gujarati	7185
Hausa	7265
Hebrew	7269
Herero	7290
Hindi	7273
Hiri Motu	7279
Hungarian	7285
Icelandic	7383
Ido	7379
Interlingua (International)	7365
Inuktitut	7385
Inupiaq	7375
Irish	7165
Italian	7384
Japanese	7465
Javanese	7486
Kalaallisut	7576
Kannada	7578
Kashmiri	7583
Kazakh	7575
Khmer	7577
Kikuyu; Gikuyu	7573
Kinyarwanda	8287
Kirghiz	7589
Komi	7586
Korean	7579
Kuanyama; Kwanyama	7574
Kurdish	7585
Kwanyama; Kuanyama	7574
Lao	7679
Latin	7665
Latvian	7686
Letzeburgesch;	7666
Limburgan; Limburger	7673
Limburger; Limburgan	7673
Lingala	7678
Lithuanian	7684
Luxembourgish	7666
Macedonian	7775
Malagasy	7771
Malay	7783
Malayalam	7776
Maltese	7784
Manx	7186
Maori	7773
Marathi	7782
Marshallese	7772
Moldavian	7779
Mongolian	7778
Nauru	7865
Navaho, Navajo	7886
Navajo; Navaho	7886
Ndebele, North	7868
Ndebele, South	7882
Ndonga	7871
Nepali	7869
North Ndebele	7868
Northern Sami	8369
Norwegian	7879
Norwegian Bokmål; Bokmål	7866
Norwegian Nynorsk	7878
Nyanja; Chichewa; Chewa	7889
Nynorsk, Norwegian	7878
Occitan; Provençal	7967
Old Bulgarian; Old Slavonic	6785
Old Slavonic; Old Bulgarian	6785
Oriya	7982
Oromo	7977
Ossetian; Ossetic	7983
Ossetic; Ossetian	7983
Pali	8073
Panjabi	8065
Persian	7065
Polish	8076
Portuguese	8084
Provençal; Occitan (post)	7967
Pushto	8083
Quechua	8185
Raeto-Romance	8277
Romanian	8279
Rundi	8278
Russian	8285
Samoan	8377
Sango	8371
Sanskrit	8365
Sardinian	8367
Scottish Gaelic; Gaelic	7168
Serbian	8382
Shona	8378
Sindhi	8368
Sinhalese	8373
Slavonic; Church Slavic	6785
Slovak	8375
Slovenian	8376
Somali	8379
Sotho, Southem	8384
South Ndebele	7882
Spanish; Castilian	6983
Sundanese	8385
Swahili	8387
Swati	8383
Swedish	8386
Tagalog	8476
Tahitian	8489
Tajik	8471
Tamil	8465
Tatar	8484
Telugu	8469
Thai	8472
Tibetan	6679
Tigrinya	8473
Tonga (Tonga Islands)	8479
Tsonga	8483
Tswana	8478
Turkish	8482
Turkmen	8475
Twi	8487
Uighur	8571
Ukrainian	8575
Urdu	8582
Uzbek	8590
Vietnamese	8673
Volapük	8679
Walloon	8765
Welsh	6789
Wolof	8779
Xhosa	8872
Yiddish	8973
Yoruba	8979
Zhuang; Chuang	9065
Zulu	9085

Remote Control Codes

If you set the remote control code for your TV on the remote control of this unit (page 19), you can operate the specific functions of your TV with the remote control.

Notes

- Depending on the product, this unit's remote control may not be able to operate some TVs. In this case, use the remote control supplied with the TV.
- If there are multiple choices of remote control codes for your TV, try them in order until you find the proper code.

TV

ADMIRAL 292, 293, 216
AIWA 294, 276, 283, 284
AKAI 295, 296
ALBA 296
AOC 297
BELL & HOWELL 292
BESTAR 298
BLAUPUNKT 229, 222
BLUE SKY 298
BRANDT 223
BROC SONIC 297
BUSH 296
BY DESIGN 201, 202
CLATRONIC 298
CRAIG 224
CROSLEX 225, 298
CURTIS MATHIS 297, 226
DAEWOO 297, 298, 224, 227, 228
DAYTRON 239
DUAL 298
DWIN 293, 281
EMERSON 297, 224, 239, 232
FURGUSON 223, 265, 266
FIRST LINE 298
FISHER 295, 233
FRABA 298
FUJITSU 289
FUNAI 277, 278
GE 293, 297, 234, 235, 236
GOODMANS 296, 298, 223
GRUNDIG 229, 238, 249
HITACHI 297, 239, 242, 243, 285
ICE 296
IRRADIO 296
ITT/NOKIA 244, 245
JC PENNY 293, 297, 234, 237
JVC 296, 246, 247, 286
KENDO 298
KTV 297, 239
LG/GOLDSTAR 297, 298, 239, 237
LOEWE 298, 248
LXI 293, 297, 225, 226, 233, 298
MAGNAVOX 297, 225, 239, 298
MARANTZ 298, 210
MATSUI 295
MEDION 203, 204, 298
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VIDECH 297, 242
WARDS 297, 239, 232, 216
YAMAHA 299, 292, 242, 285, 287, 253
ZENITH 216, 261, 271

Specifications

AUDIO SECTION

- Audio Output Level (1 kHz, 0 dB)..... 2 V
- Signal to Noise Ratio 105 dB or more
- Dynamic Range..... 100 dB or more
- Total Harmonic Distortion 0.003% or less
- Frequency Response
 - DVD (fs 96 kHz)..... 4 to 44 kHz
 - DVD (fs 48 kHz)..... 4 to 22 kHz
 - SVCD (fs 48 kHz)..... 4 to 22 kHz
 - SVCD (fs 44.1 kHz)..... 4 to 20 kHz
 - CD/VCD..... 4 to 20 kHz

VIDEO SECTION

- Video Signal Level
 - Composite 1 Vp-p/75 Ω
 - Component 1 Vp-p/75 Ω (Y)
 0.7 Vp-p/75 Ω (P_B, P_R)
 - SCART (U.K. model).....0.7 Vp-p/75 Ω

GENERAL

- Power Supply
 - U.K. model AC 230 V, 50 Hz
 - Australia model AC 240 V, 50 Hz
 - Korea model..... AC 220 V, 60 Hz
 - Taiwan model..... AC 110–120 V, 50/60 Hz
 - Asia model..... AC 220–240 V, 50/60 Hz
- Power consumption 8 W
- Standby Power Consumption less than 1 W
- Laser Pickup
 - Type Semiconductor laser GaAIAs
 - Wave length 650 nm (DVD), 780 nm (VCD/CD)
 - Output Power..... 7 mW (DVD), 10 mW (VCD/CD)
- Dimensions (W x H x D).....215 x 70 x 315 mm
 (Approx. 8 15/32" x 2 3/4" x 12 13/32")
- Weight.....2.4 kg
 (Approx. 5 lbs 5 oz)

Specifications are subject to change without notice.



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